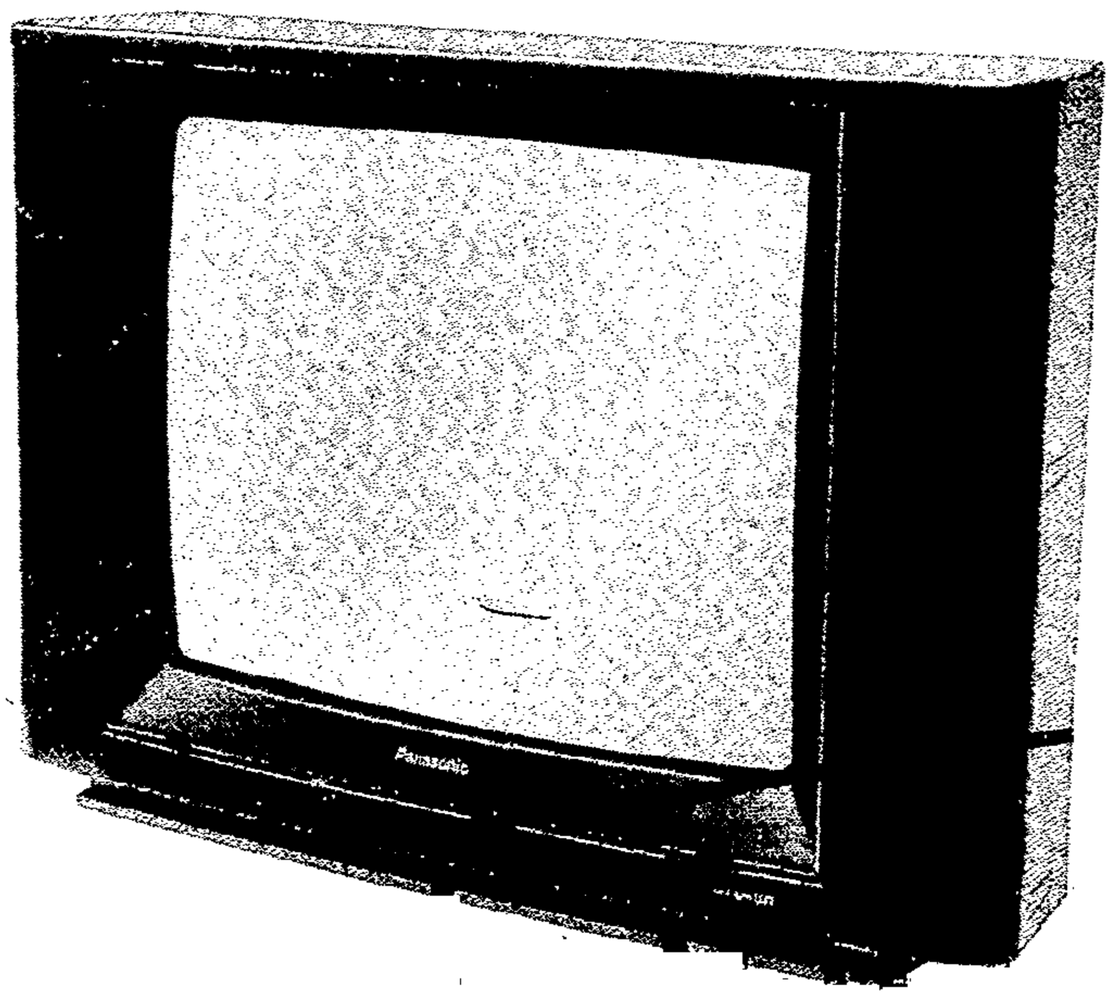
ORDER No. SM-89017

Service Manual

Colour Television

TX-28W1
TX-24W1
ALPHA-2W chassis



Specifications

Power source :	AC 240V, 50hz
Power consumption :	180W (TX-28W1) 175W (TX-24W1)
Aerial Impedance :	75 ohm unbalanced coaxial type
Receiving system :	CCIR : 625 lines, PAL - I
Receiving Channels :	UHF channel 21 to 68
Intermediate Frequency :	Video 39.5 MHz Sound 33.5 MHz Colour 35.07 MHz

Video/Audio Terminals

AV1 IN	Video (Euro AV)	1 Vp-p 75 ohm
	Audio (Euro AV)	0.67 Vrms 10k ohm
AV1 OUT	Video (Euro AV)	1 Vp-p 75 ohm
	Audio (Euro AV)	0.67 Vrms 10k ohm (100 % modulation)
AV2 IN	Video (BNC)	1 Vp-p 75 ohm
	S-Video	Y : 1 Vp-p 75 ohm C : 0.3 Vp-p 75 ohm
	Audio (RCA)	0.67 Vrms 10k ohm

High Voltage :	28.0 kV at zero beam current
Picture tube	A66EAK22X01 (TX-28W1) 28 inches (66cm V) A59EAK22X01 (TX-24W1) 24 inches (59cm V) meaured diagonally, 110° deflection

Audio output :

Internal Speaker	2 x 20W (Music Power) Impedance 8 ohms
External Speaker	2 x 20W (Music Power) Impedance 4 ohms
Headphones	Impedance 8 ohms
Speaker	2 way 2 speaker system,L,R
Accessories supplied :	Remote Controller UM4 Battery

Dimensions :	TX-28W1	TX-24W1
Height	581 mm	530.5 mm
Width	825 mm	768 mm
Depth	495 mm	466 mm
Net Weight :	40.5kg.	35.0kg.

Specifications are subject to change without notice.
Net weight and dimensions shown are approximate.

Panasonic

PANASONIC (U.K.) LTD.
WILLOUGHBY ROAD,BRACKNELL,
BERKS,RG12 4FT.

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SAFETY PRECAUTIONS

GENERAL GUIDE LINES

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 28.0 kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed Metallic part and check the voltage at each point.
5. Reverse the AC plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

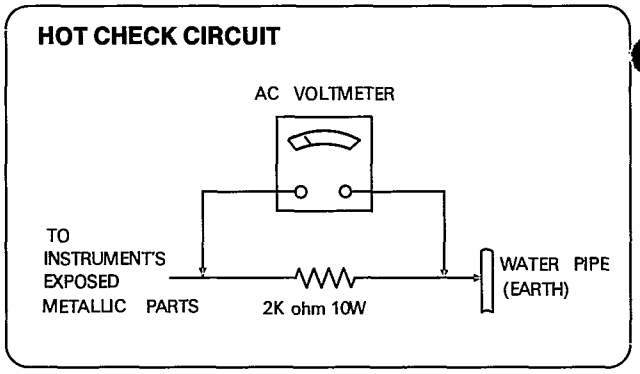


Fig.1

X-RADIATION

WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 28.0 kV without causing X-Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Set the service switch to the SERVICE position.
3. Measure the high voltage. The meter should indicate 28.0 kV +/-1.5 kV. if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. To prevent a X-Radiation possibility, it is essential to use the specified tube.

SHUT DOWN CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

1. Receive the Philips pattern.
2. Check that the shut down circuit functions when -60V is applied to TPE7, but does not function when -40V is applied.

LOCATION OF CONTROLS

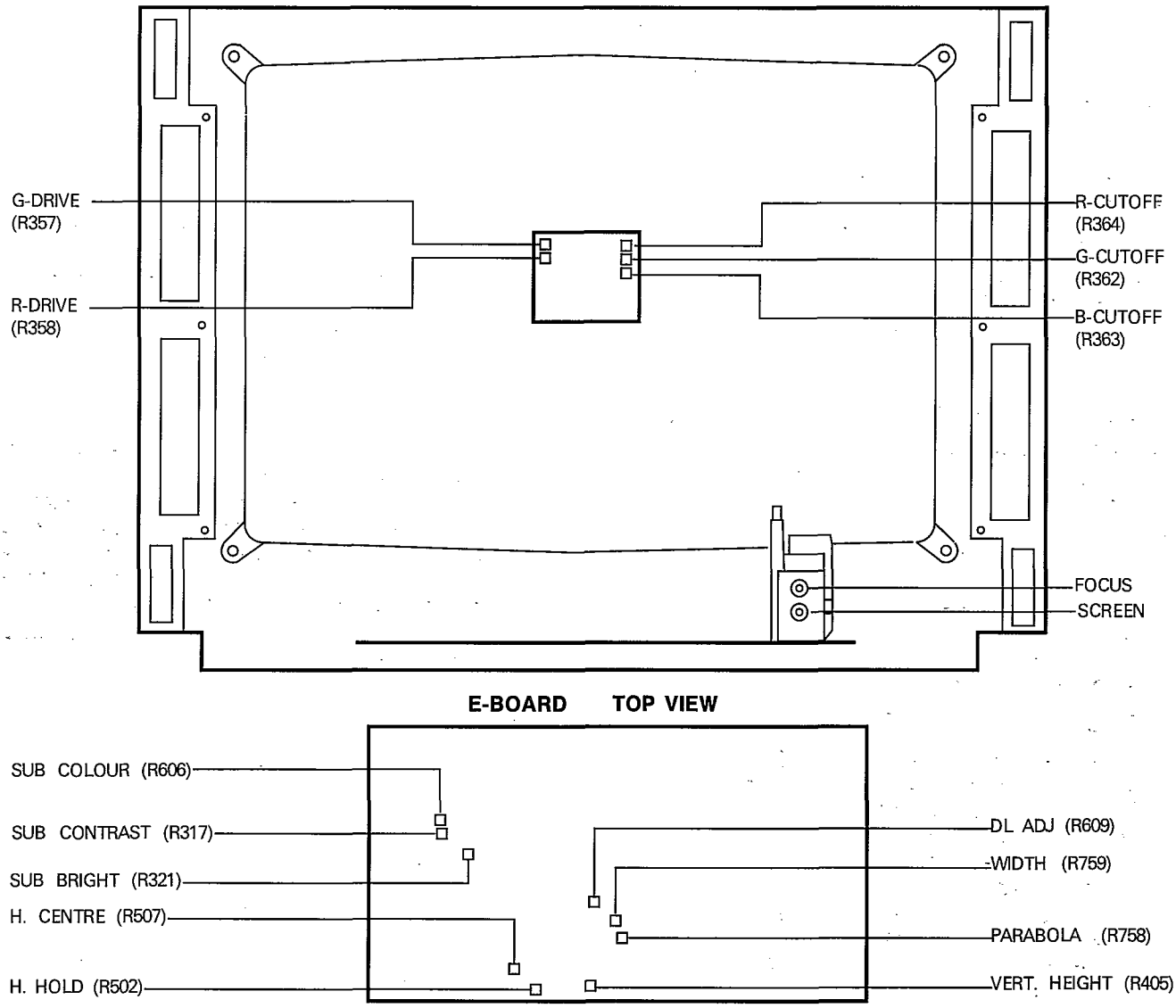


Fig.2

SERVICE HINTS

HOW TO REMOVE THE REAR COVER

1. Remove the 3 screws (A) as shown in Fig.3.
2. Insert a flat blade screw driver into the slot of each rear cover fixing clip and release the 6 rear cover fixing clips as shown in Fig.4.

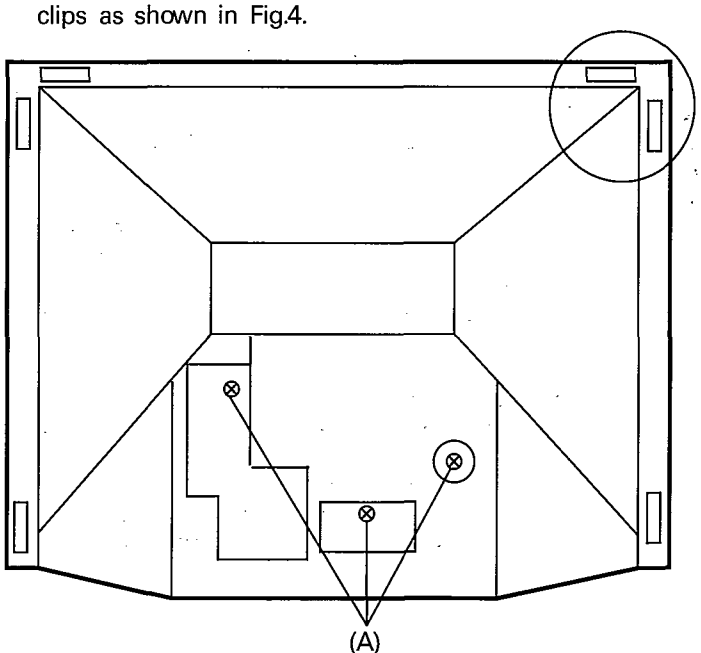


Fig.3

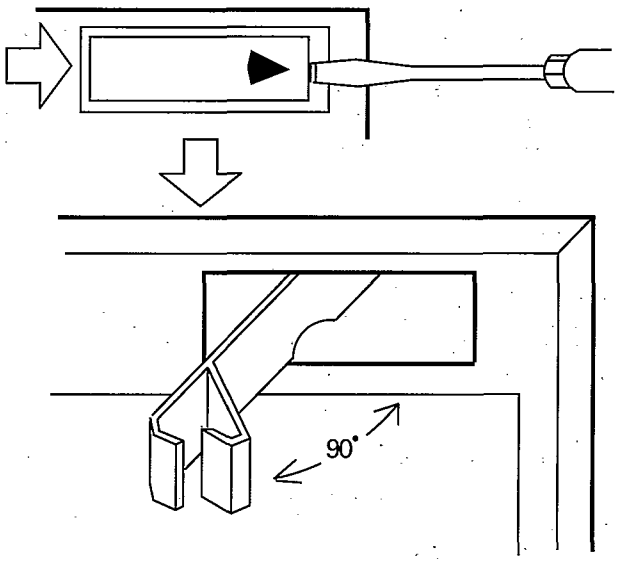


Fig.4

HOW TO MOVE CHASSIS INTO SERVICE POSITION

1. Remove the 3 screws (B) as shown in Fig.5.
2. Remove the 1 screw (C) as shown in Fig.6.
3. Hold and lift the tabs (D) of chassis as shown in Fig.6, gently pull the chassis towards you.
4. Unclip the Control block from the main chassis and release the respective wiring clips.
5. Turn the Chassis through 90 degrees clockwise and clip onto the support bracket, as shown in Figs.7 and 8.

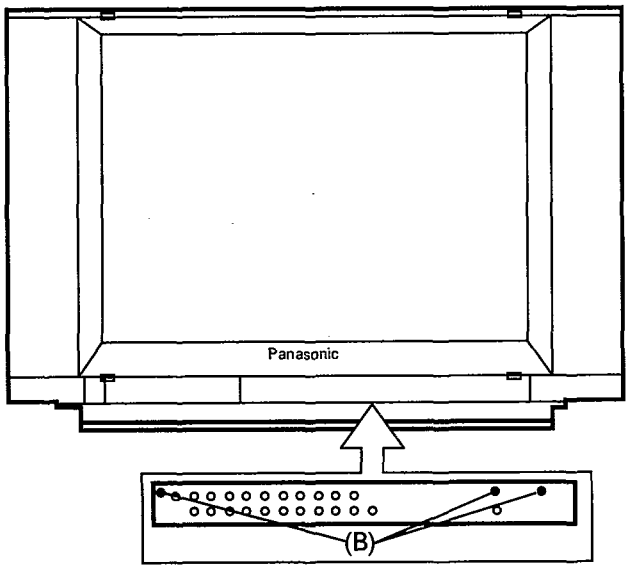


Fig.5

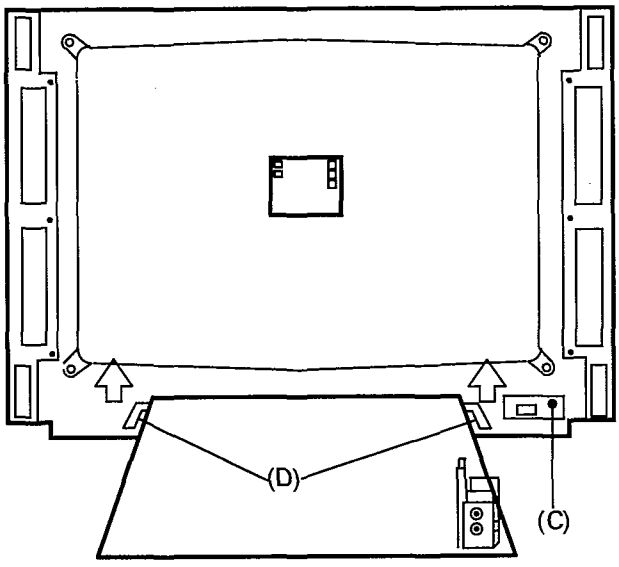


Fig.6

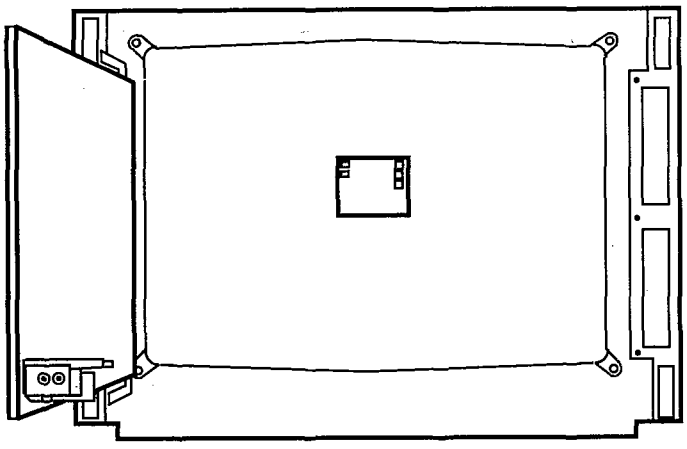


Fig.7

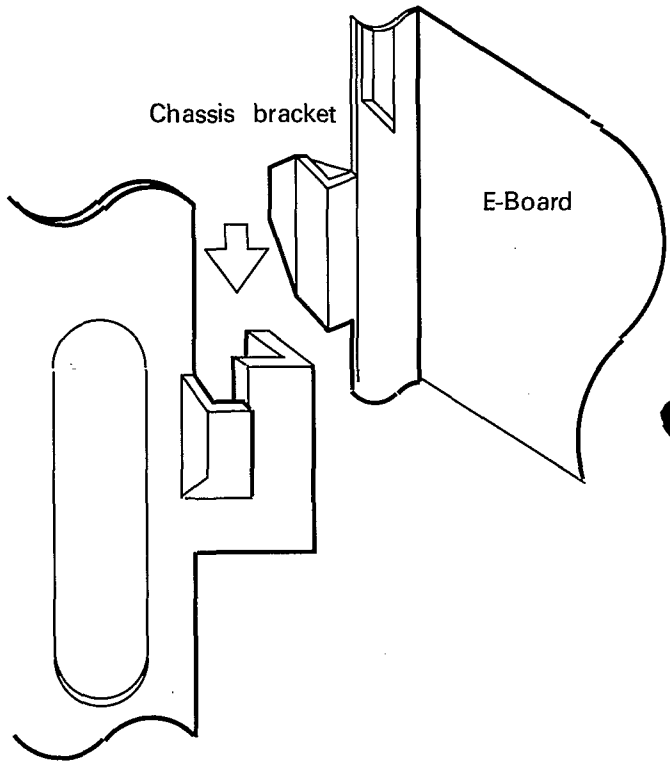


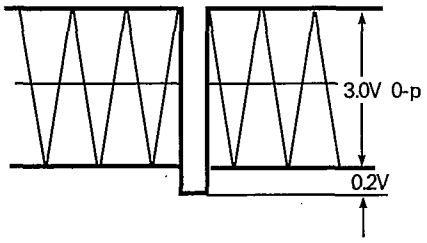
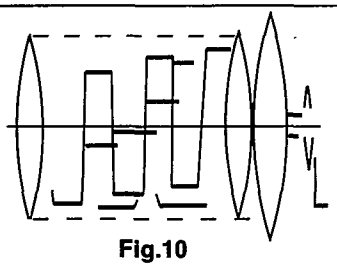
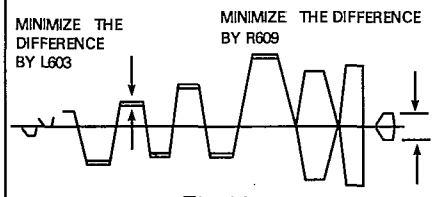
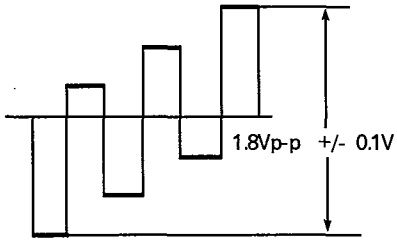
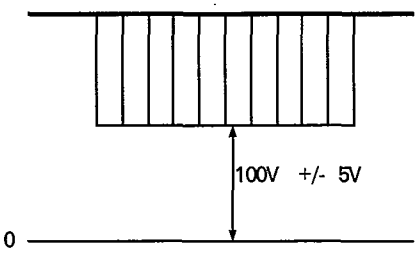
Fig.8

SERVICE POSITION FOR B-BOARD

1. Remove the B-Board from the main Chassis (E-Board).
2. Connect the extension lead wires between B-Board and E-Board,position the B-Board away from the main chassis and ensure they are not touching.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.
   Note: The extension lead wire kit is supplied as a service kit, part number TZS709006.

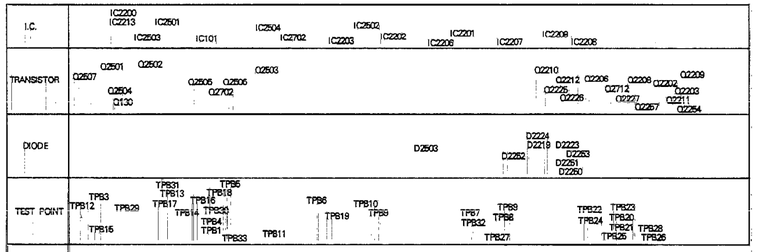
ADJUSTMENTS

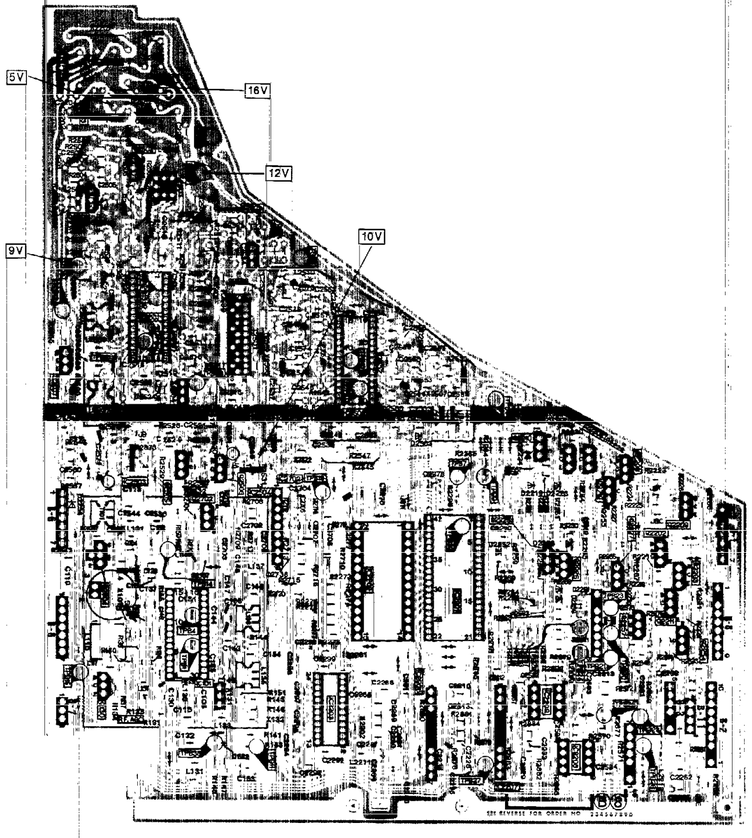
ITEM/PREPARATION	ADJUSTMENT PROCEDURE
B VOLTAGE 1. Operate the TV set. 2. Set controls: Bright . . . . . minimum Sub-bright . . . . . minimum	1. Confirm the indicated test points for the specified voltage. TPE1: 160 +/- 2 V TPE5: 12.0 +/- 1.0 V TPE2: 5.0 +/- 0.5 V TPE10: 210 +/- 10 V TPE3: 32 +/- 2 V TPE34: 26.5 +/- 1.5 V TPE4: 15.5 +/- 1.0 V TPE66: 8.5 +/- 1.0 V
AFC 1. Supply 39.5MHz continuous wave from an oscillator to TPE48. (0.5 V p-p, 75 ohm terminated) 2. Connect a DC voltmeter to TPE22. 3. Operate the TV set.	1. Adjust L135 so that the voltage at TPE22 becomes 5.6 +/- 0.1V 2. Change the frequency and confirm the voltage as shown below. + 100 kHz: less than 3.5 V - 100 kHz: more than 7.0 V
RF AGC 1. Receive a Philips pattern. 2. Set the input level to 65 dB +/- 2 dB (75 ohm open). 3. Connect an oscilloscope to TPE9 with DC mode.	1. Turn RF AGC control (R135) fully clockwise. 2. Slowly turn R135 counterclockwise to set it at the point before the voltage at TPE9 drops. NOTE: In this case , gain range of the oscilloscope is 1 V/div, and set R135 to a point where this voltage drops by 0.2 V.
HIGH VOLTAGE 1. Receive a crosshatch pattern. 2. Set controls: Bright. . . . . minimum Contrast. . . . . miminum Sub-bright . . . . . minimum (Zero beam current)	1. Connect a DC voltmeter to TPE1 and confirm the voltage is 160 +/- 2 V 2. Connect a high-voltage meter (Electrostatic type) to the anode of the picture tube. 3. Confirm that the high voltage is within a range of 28.0 (+1.0 kV - 1.5) kV.
NOISE MUTE 1. Operate the TV set. 2. Connect a frequency counter to TPB19.	1. Adjust R2710: Reading on the frequency counter: 15.625 kHz +/- 100Hz.
TELETEXT CLOCK 1. Operate the TV. 2. Connect a short jumper between TPH3 and TPH11. 3. Connect a frequency counter to TPH4.	1. Adjust C3528: Reading on the frequency counter: 6.01 MHz +- 5 kHz. 2. Remove the short jumper.
NICAM CLOCK 1. Operate the TV set and confirm the B voltage. 2. Connect a frequency counter to TPB9.	1. Adjust C2560: Reading on the frequency counter: 5.824 MHz +- 100 Hz. 2. Change the connection of the frequency counter to TPB10. 3. Adjust C2546: Reading on the frequency counter: 6.55190 MHz +- 50 Hz.

ITEM/PREPARATION	ADJUSTMENT PROCEDURE	WAVEFORM
SUB CONTRAST 1. Receive the Philips pattern. (Input level : 75 dB.) 2. Connect an oscilloscope to TPE15. 3. Set controls: Bright ..... minimum Contrast ..... maximum Colour ..... minimum Sub Colour ..... minimum Picture ..... centre 4. Earth TPE7.	1. Adjust Sub-Bright (R321) to set the black level to 0.2 V 2. Adjust the Sub-Contrast (R317) to set the drive voltage to 3.0 V 0-p. 3. Remove link from TPE7.	 Fig.9
PAL APC 1. Receive the Philips pattern. 2. Connect a short jumper between TPE76 and earth. 3. Connect oscilloscope to TEP15.	1. Adjust APC trimmer (C637) to obtain waveform at TPE15 as shown in Fig.10 2. Remove link and confirm colour bars are stationery.	 Fig.10
PAL DELAY LINE 1. Receive the Philips pattern. 2. Connect a short jumper between TPE6 and earth. 3. Connect oscilloscope to TEP15.	1. Adjust DL Adj (R609) and DL Matching Trans (L603) to obtain waveform at TPE15 as shown in Fig 11. 2. Remove the short jumper.	 Fig.11
SUB COLOUR 1. Receive a PAL colour bar pattern. 2. Set controls: Bright ..... minimum Contrast ..... maximum Sub Colour ..... centre Picture ..... centre 3. Connect DC voltmeter to TPE21. 4. Connect an oscilloscope to TPE15.	1. Adjust colour to achieve 5.3 V at TPE21. 2. Connect a short jumper between TPE6 and earth. 3. Adjust sub colour (R606). For 1.8 Vpp +/- 0.1 V at TPE15 as shown in Fig 12. 4. Remove the short jumper.	 Fig.12
TELETEXT CONTRAST Note: Before this adjustment is attempted, white balance adjustment must be finished. 1. Receive a teletext signal. 2. Connect an oscilloscope to TPY1 3. Set controls: Bright ..... minimum Contrast ..... maximum	1. Adjust R3514 to obtain the waveform as shown in Fig 13.	 Fig.13

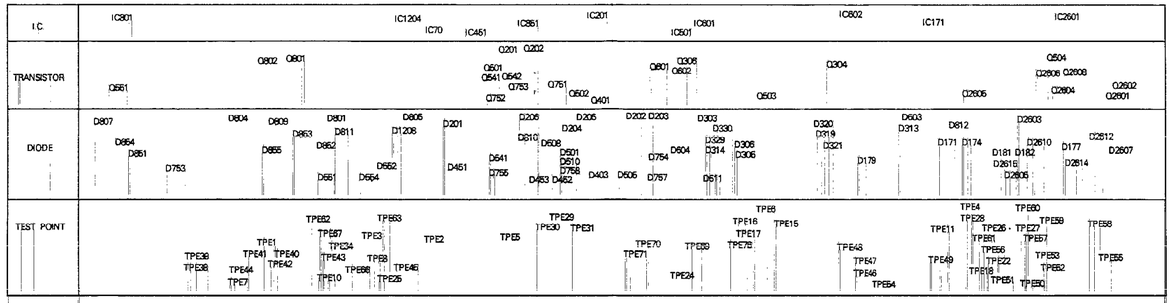
CONDUCTOR VIEWS

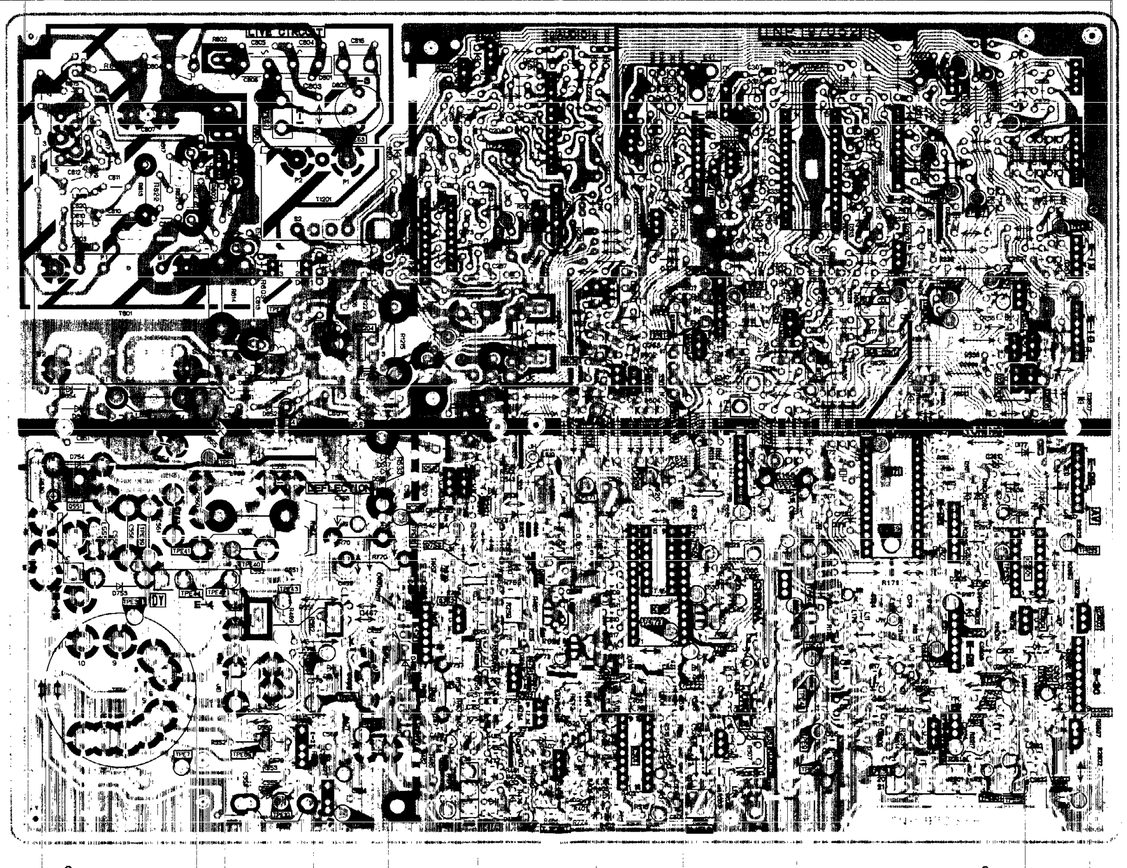
B-BOARD TNP107483AE





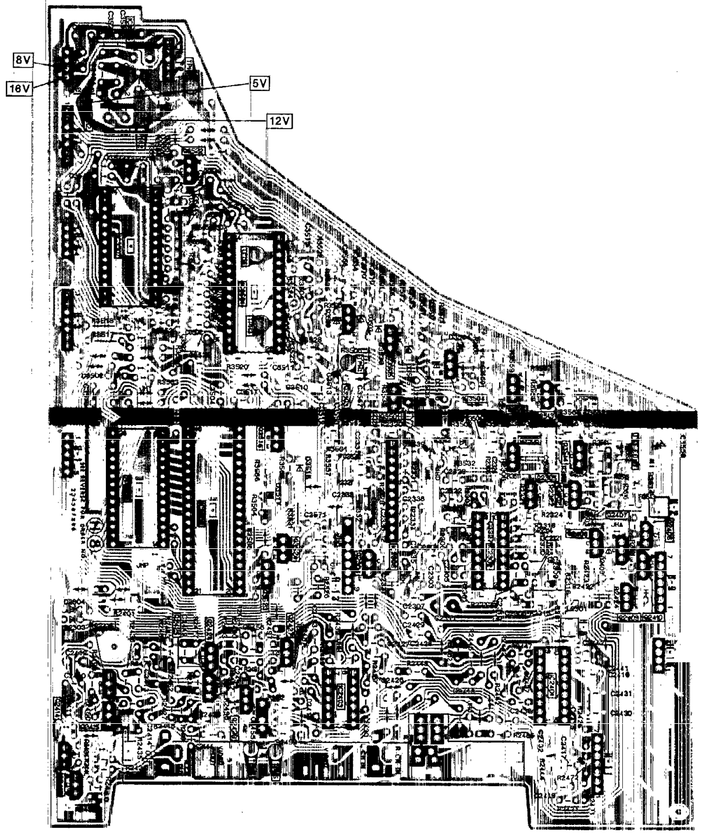
E-BOARD TNP197052 for TX-28W1
TNP197052AG for TX-24W1





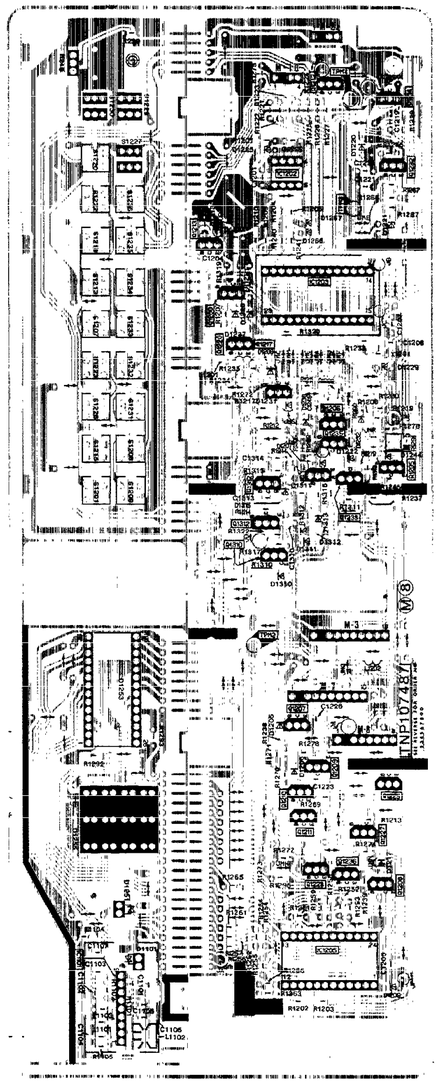
H-BOARD TNP197500AA

I.C.	IC3605 IC2402 IC3607 IC3606 IC3602 IC3601 IC2403 IC2302 IC2401
TRANSISTOR	Q3522 Q3616 Q3624 Q3503 Q3505 Q3501 Q3504 Q3515 Q3608 Q2305 Q3513 Q3514 Q3502 Q2408 Q2406 Q2407 Q2410 Q2409 Q2414 Q2413 Q2416 Q2415 Q2424 Q2425 Q3523 Q2428 Q2427
DIODE	D3526 D3627 D3602 D3503 D3628 D3630 D3604 D3517 D3516 D2410 D3505 D3529 D2304 D2303 D2408
TEST POINT	TPH12 TPH12 TPH11 TPH4 TPH3 TPH5 TPH6 TPH1



M-BOARD TNP107487AE

I.C.	TRANSISTOR	DIODE	TEST POINT
	Q1212		TPM4
		D1225 D1220	
IC1202	Q1232		
			TPM3
		D1267 D1221 D1268	
	Q1213		
IC1203			
	Q1230		
		D1228	
	Q1220		
		D1208 D1229	
	Q1208		
	Q1235		
		D1244 D1222 D1277	
	D1311 D1206 D1312		
		D1315 D1313 D1312 D1311	
	Q1313 Q1310		
		D1310	
			TPM2
		D1233	
	Q1207		
		D1205	
		D1255	
	Q1236	D1217	
	Q1209		
		D1251	
IC1205 IC1101		D1101	



SCHEMATIC DIAGRAM FOR MODELS

TX-28W1 / 24W1 (ALPHA-2W CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by⚠mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

NOTES:

1. RESISTOR
   All resistors are carbon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM (Ω) (K =1,000,M =1,000,000).
   - ○ : Nonflammable
   - △ : Solid
   - ⊠ : Wire Wound
   - ⊠ : Metal Oxide
   - ◎ : Metal Film
   - ⊘ : Fuse

2. CAPACITOR
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is uF, unless otherwise stated.
   - ⊘ : Temperature Compensation
   - Ⓜ : Polyester
   - Ⓜ : Metallised Polyester
   - ⊠ : Polypropylene
   - NP : Electrolytic
   - NP : Bipolar
   - Ⓣ : Dipped Tantalum
   - Ⓩ : Z-Type

3. COIL
   Unit of inductance is uH, unless otherwise stated.

4. TEST POINT
   ● : Test Point position

5. EARTH SYMBOL
   ⏚ : Chassis Earth (Cold) ⊥ : Line Earth (Hot)

6. VOLTAGE MEASUREMENT
   Voltage is measured by a DC voltmeter.
   Measurement conditions are as follows.

Power source	AC 240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

7. ➡ : Indicates the Video signal path
   ⇨ : Indicates the Audio signal path
   ➡ : Indicates the Vertical/Horizontal signal path

8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

REMARKS

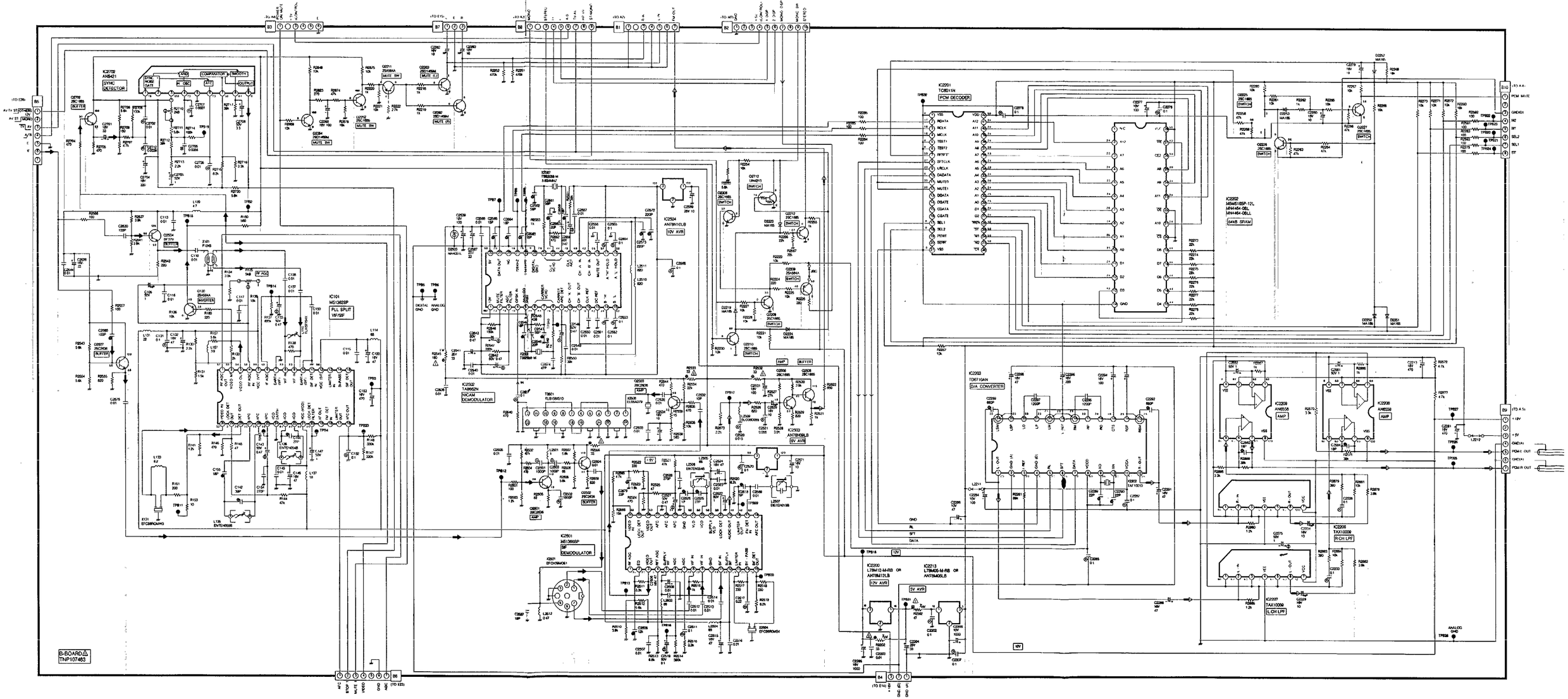
1. The power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions. All circuits, except the power Circuit , are COLD.

Precautions

a. Do not touch the hot part or the hot and cold parts at the same time as you are liable to a shock hazard.
b. Do not short-circuit the hot and cold circuits as electrical components may be damaged.
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
d. Make sure to disconnect the power plug before removing the chassis.

2. The following resistors are fusible safety components , and are rated at thefollowing values:

Ref.:	Part number	Current rating
R484	TSF19801	800mA
R567	TSF19102	1A
R1283	TSF19631	630mA


IC2701
AN5421
SYNC DETECTOR
IC101
M51382SP
PLL SPLIT V/S/F
IC2502
TA8962N
PICAM DEMODULATOR
IC2501
M51366SP
SIF DEMODULATOR
IC2504
AN78H10LB
10V AVR
IC2503
AN78H08LB
8V AVR
IC2200
L78M12-M-RB OR AN78M12LB
12V AVR
IC2213
L78M05-M-RB OR AN78M05LB
5V AVR
IC2001
TC9011N
PCM DECODER
IC2202
M5M51858P-12L
M5M1464-08L
M5M1464-06LL
64kB SRAM
IC2203
TD6710AN
D/A CONVERTER
IC2208
AN6556
AMP
IC2209
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AMP
IC2206
TAX10009
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IC2207
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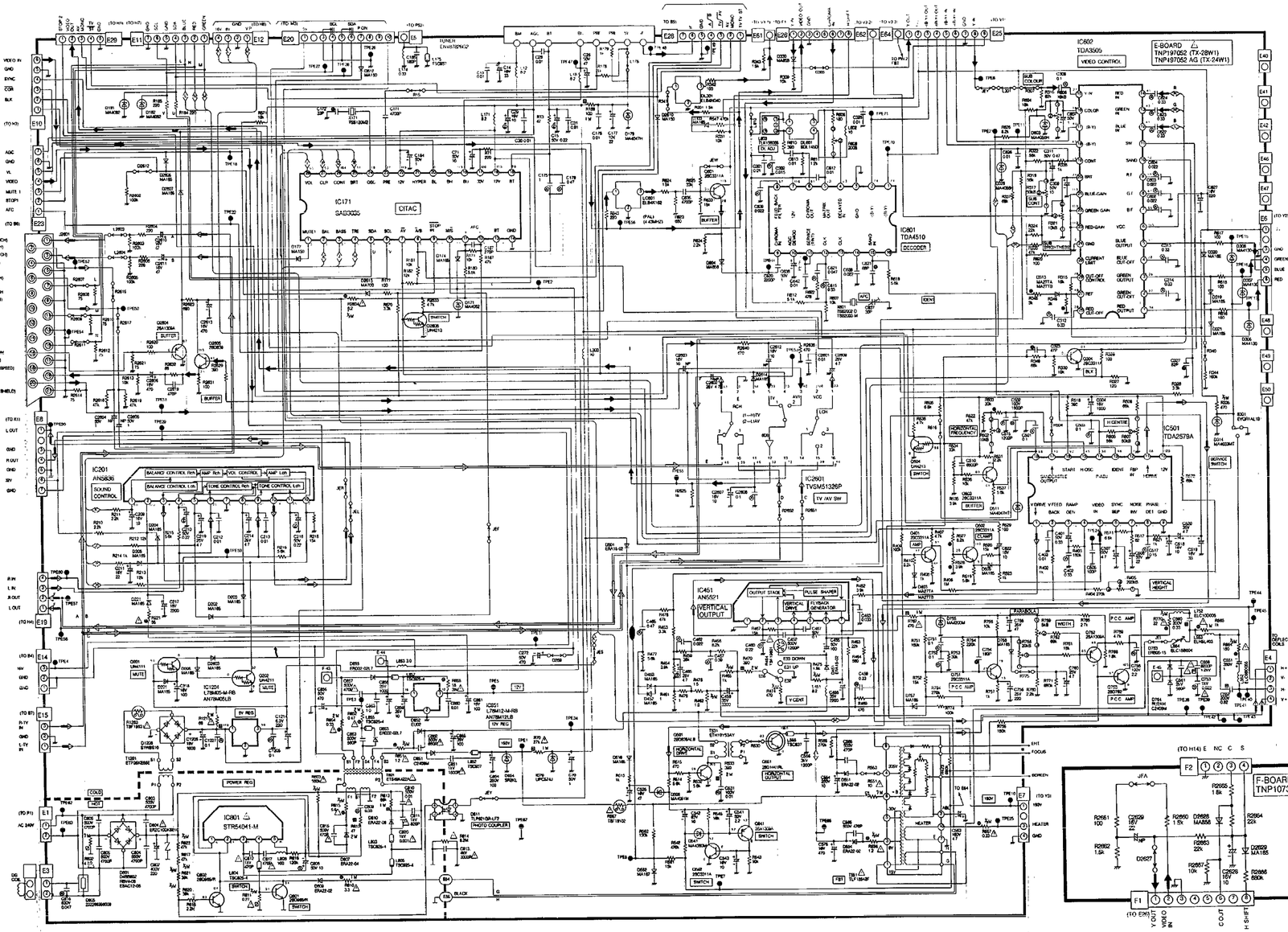
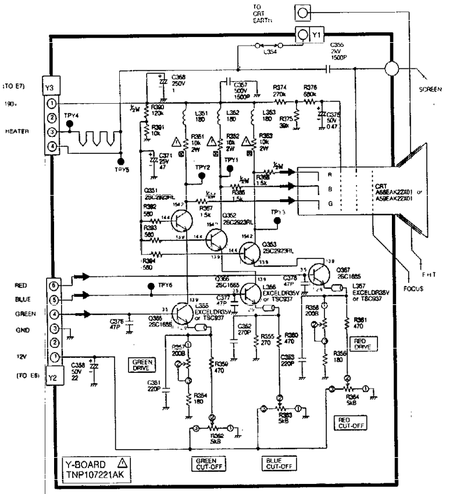
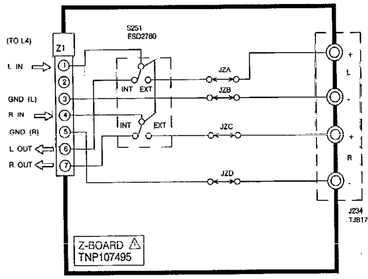
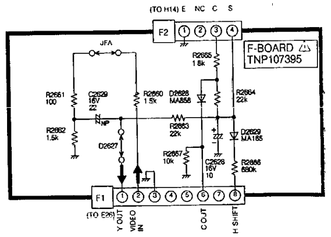
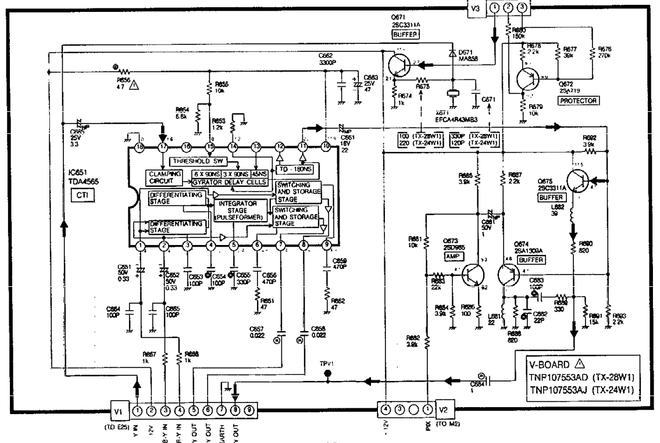
L CH LPF
B-BOARD
TNPI107463





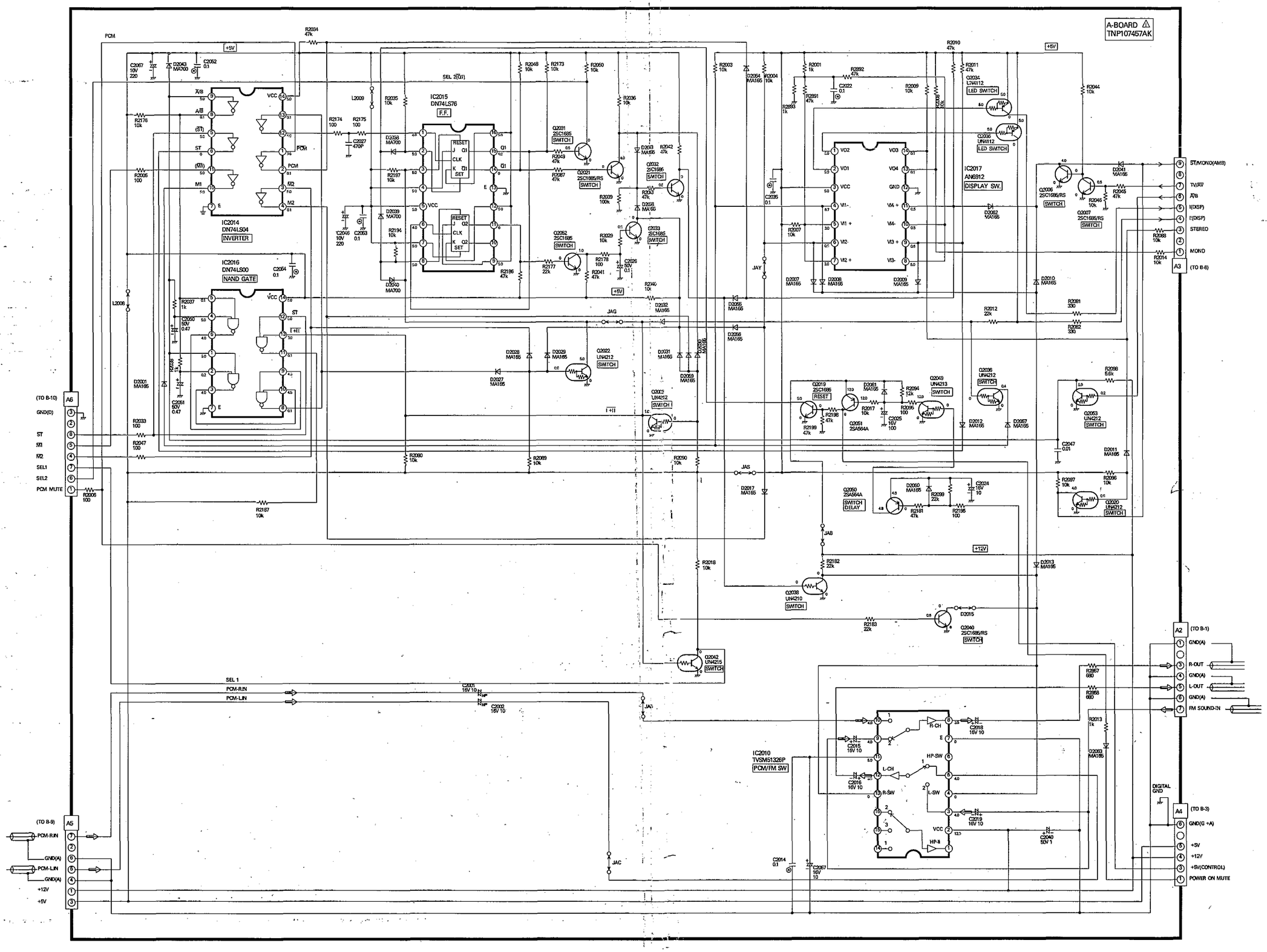


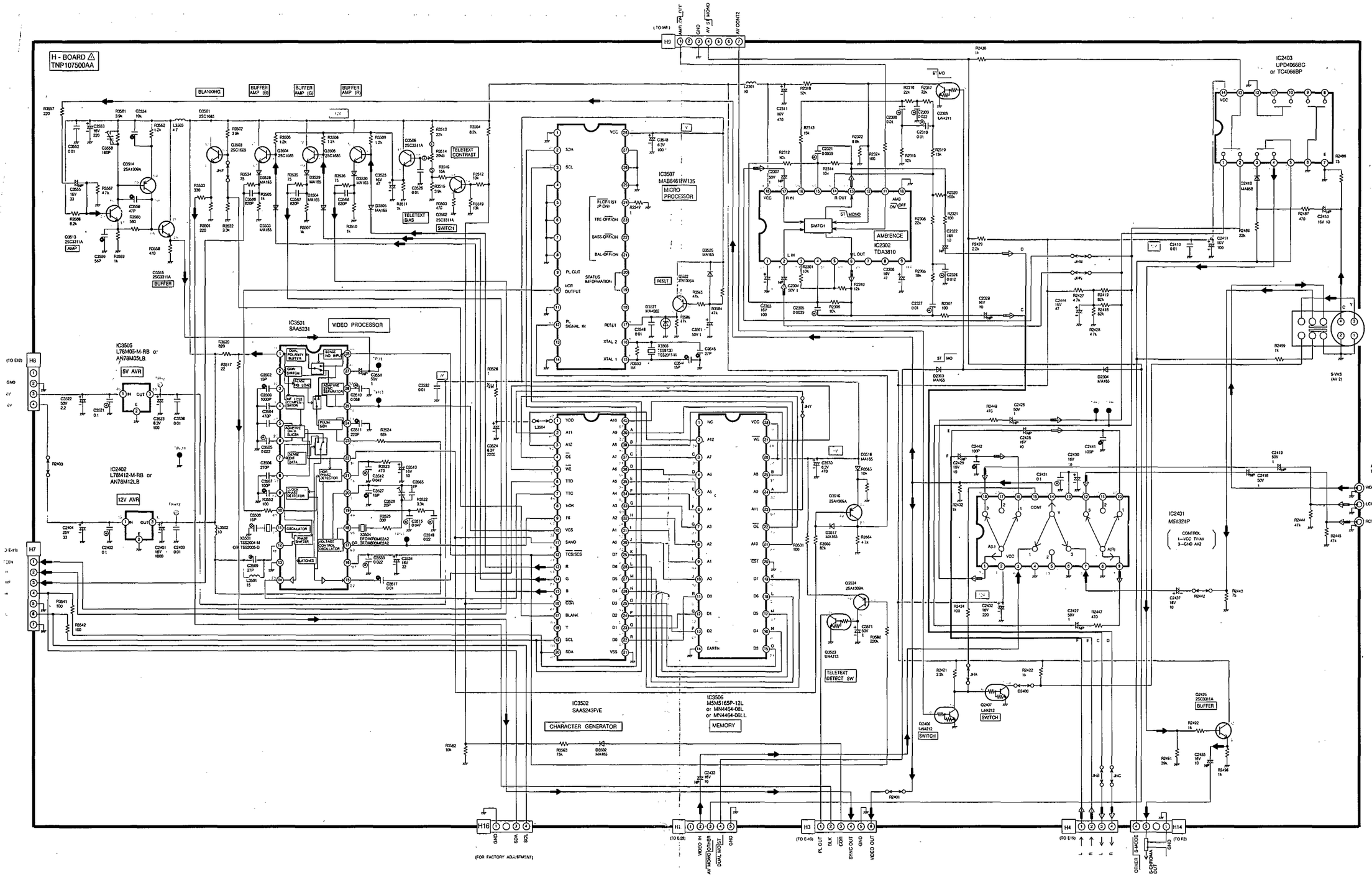


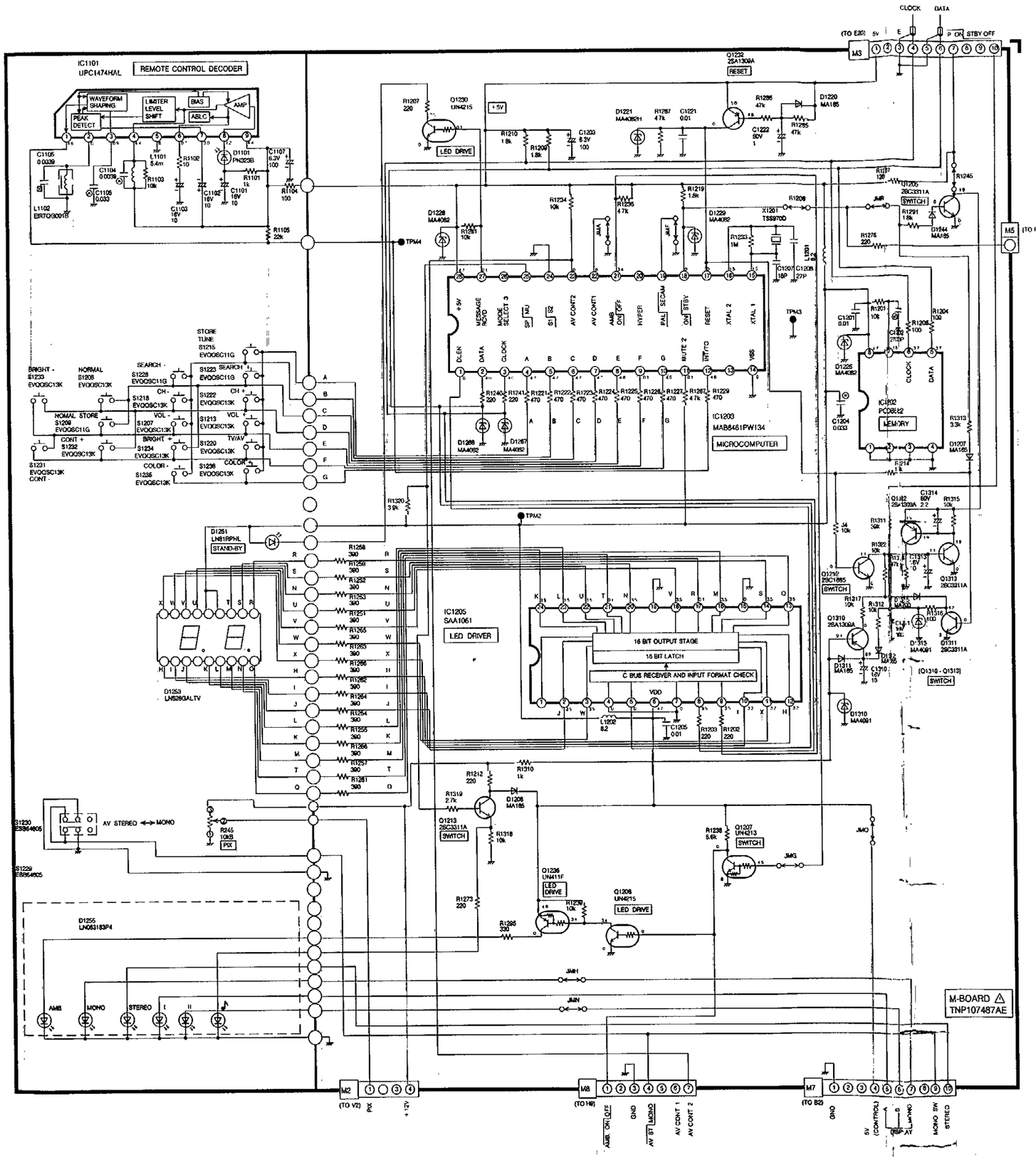


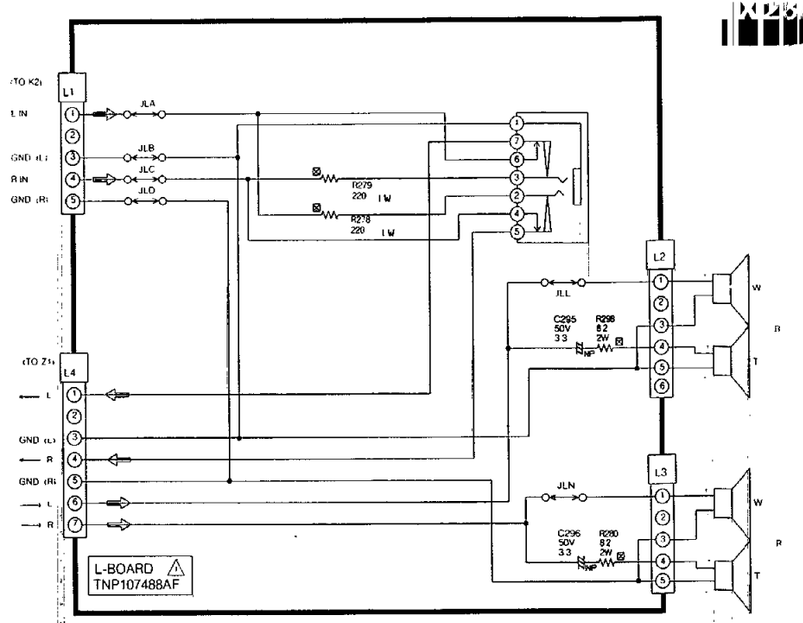
WAVEFORM PATTERN TABLE

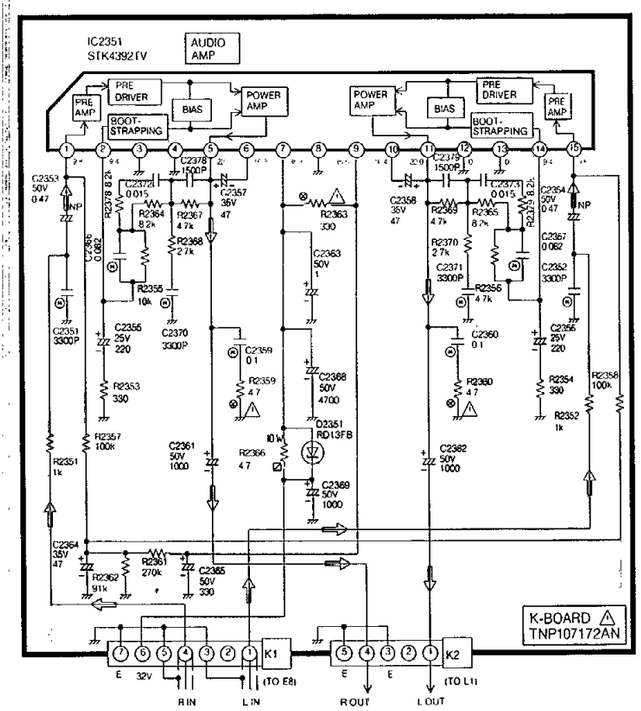
Pin 3 IC101	Pin 1 IC2601	TP13
2.8Vp-p (20uS)	2.8Vp-p (20uS)	2.5Vp-p (20uS)
Pin 15 IC802	PIN 5 IC801	Pin 9 IC801
0.4Vp-p (20uS)	1.5Vp-p (20uS)	0.2Vp-p (20uS)
Pin 4 IC801	Pin 5 IC801	Pin 35 IC501
0.2Vp-p (20uS)	0.2Vp-p (20uS)	3Vp-p (20uS)
Pin 1 IC451	Pin 8 IC451	Pin 5 IC451
2.4Vp-p (5mS)	22Vp-p (5mS)	45Vp-p (5mS)
Pin 11 IC501	BASE Q551	COLLECTOR Q551
1.5Vp-p (20uS)	1.5Vp-p (20uS)	1800Vp-p (20uS)
Pin 4 T551	Pin 2 IC501	Pin 10 T551
75Vp-p (20uS)	0.7Vp-p (5mS)	22Vp-p (20uS)
TP617	TP616	TP615
3.2Vp-p (20uS)	3.2Vp-p (20uS)	3.2Vp-p (20uS)
TPY3	TPY2	TPY1
120Vp-p (20uS)	120Vp-p (20uS)	115Vp-p (20uS)

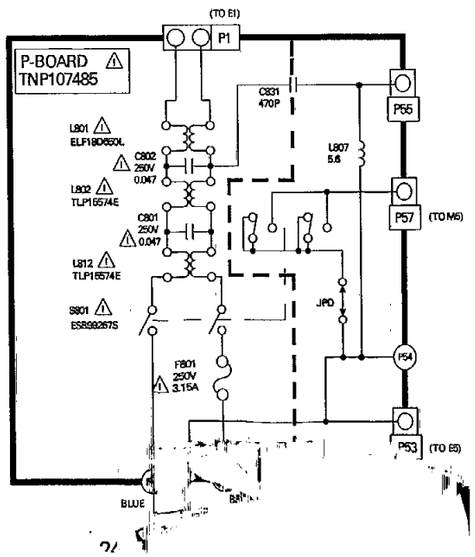

A-BOARD
TNP107457AK
PCM
+5V
IC2014
DN74LS04
INVERTER
IC2015
DN74LS76
F.F.
IC2016
DN74LS00
NAND GATE
IC2017
AN6912
DISPLAY SW.
IC2010
TVSM51326P
PCM/FM SW
SEL 2(Q1)
SEL 1
PCM-RUN
PCM-LIN
JAG
JAS
JAB
JAC
JAY
+12V
(TO B-10)
A6
GND(D)
ST
M1
M2
SEL1
SEL2
PCM MUTE
(TO B-9)
A5
PCM-RUN
GND(A)
PCM-LIN
GND(A)
+12V
+5V
(TO B-1)
A2
GND(A)
R-OUT
GND(A)
L-OUT
GND(A)
FM SOUND-IN
(TO B-3)
A4
GND(G +A)
+5V
+12V
+5V(CONTROL)
POWER ON MUTE
DIGITAL GND
(TO B-6)
A3
ST/MONO(AMB)
TV/AV
A/B
I(DISP)
I'(DISP)
STEREO
MONO
SEL.HI
SEL.MI
SEL.LO
LED SWITCH
SWITCH
SWITCH DELAY
RESET
R-CH
L-CH
R-SW
L-SW
HP-SW
HP-R
VCC
GND


H - BOARD
TNP107500AA
BLANKING
BUFFER AMP (B)
BUFFER AMP (G)
BUFFER AMP (R)
TELETEXT CONTRAST
TELETEXT BIAS
SWITCH
AMP
BUFFER
IC3507
MAB8461FW135
MICRO PROCESSOR
IC3501
SAA5231
VIDEO PROCESSOR
IC3505
L78M05-M-RB or
AN78M05LB
5V AVR
IC2402
L78M12-M-RB or
AN78M12LB
12V AVR
IC2403
UPD40668C
or TC4066BP
IC2302
TDA3810
AMBIENCE
IC2401
M51321P
CONTROL
1—VCC TV/AV
3—GND AV2
IC3502
SAA5243P/E
CHARACTER GENERATOR
IC3506
M5M5165P-12L
or MN4464-08L
or MN4464-08LL
MEMORY
TELETEXT DETECT SW
AV TERMINAL
TJG17648
(AV2)
(TO E12)
(TO E11)
(TO E10)
(TO E25)
(TO E19)
(TO K2)
(FOR FACTORY ADJUSTMENT)


IC1101
UPC1474HAL
REMOTE CONTROL DECODER
WAVEFORM SHAPING
LIMITER LEVEL SHIFT
BIAS
AMP
PEAK DETECT
ABLC
LED DRIVE
+5V
IC1205
SAA1061
LED DRIVER
16 BIT OUTPUT STAGE
16 BIT LATCH
C BUS RECEIVER AND INPUT FORMAT CHECK
IC1203
MAB8461PW134
MICROCOMPUTER
IC1202
PCD8572
MEMORY
Q1232
2SA1309A
RESET
SWITCH
CLOCK
DATA
P ON
STBY OFF
(TO E20)
M3
M5
(TO P57)
TPM1
TPM2
TPM3
TPM4
STORE
TUNE
S1215
EVQQSC11G
BRIGHT +
S1233
EVQQSC13K
NORMAL
S1208
EVQQSC13K
SEARCH -
S1228
EVQQSC11G
S1223 SEARCH +
EVQQSC11G
CH -
S1216
EVQQSC13K
S1222
EVQQSC13K
CH +
NOMAL STORE
S1209
EVQQSC11G
VOL -
S1207
EVQQSC13K
S1213
EVQQSC13K
VOL +
CONT +
S1232
EVQQSC13K
BRIGHT +
S1234
EVQQSC13K
S1220
EVQQSC13K
TV/AV
S1231
EVQQSC13K
CONT -
COLOR -
S1235
EVQQSC13K
S1236
EVQQSC13K
COLOR +
D1251
LN61RPHL
STAND-BY
D1253
LN528GALTV
D1255
LN063183P4
AMB
MONO
STEREO
I
II
S1230
S1229
AV STEREO ↔ MONO
R245
10KS
PIX
M2
(TO V2)
M8
(TO H9)
M7
(TO B2)
AMB ON/OFF
GND
AV ST/MONO
AV CONT 1
AV CONT 2
5V (CONTROL)
A
B
RSP
AV MONO
MONO SW
STEREO
M-BOARD
TNP107487AE

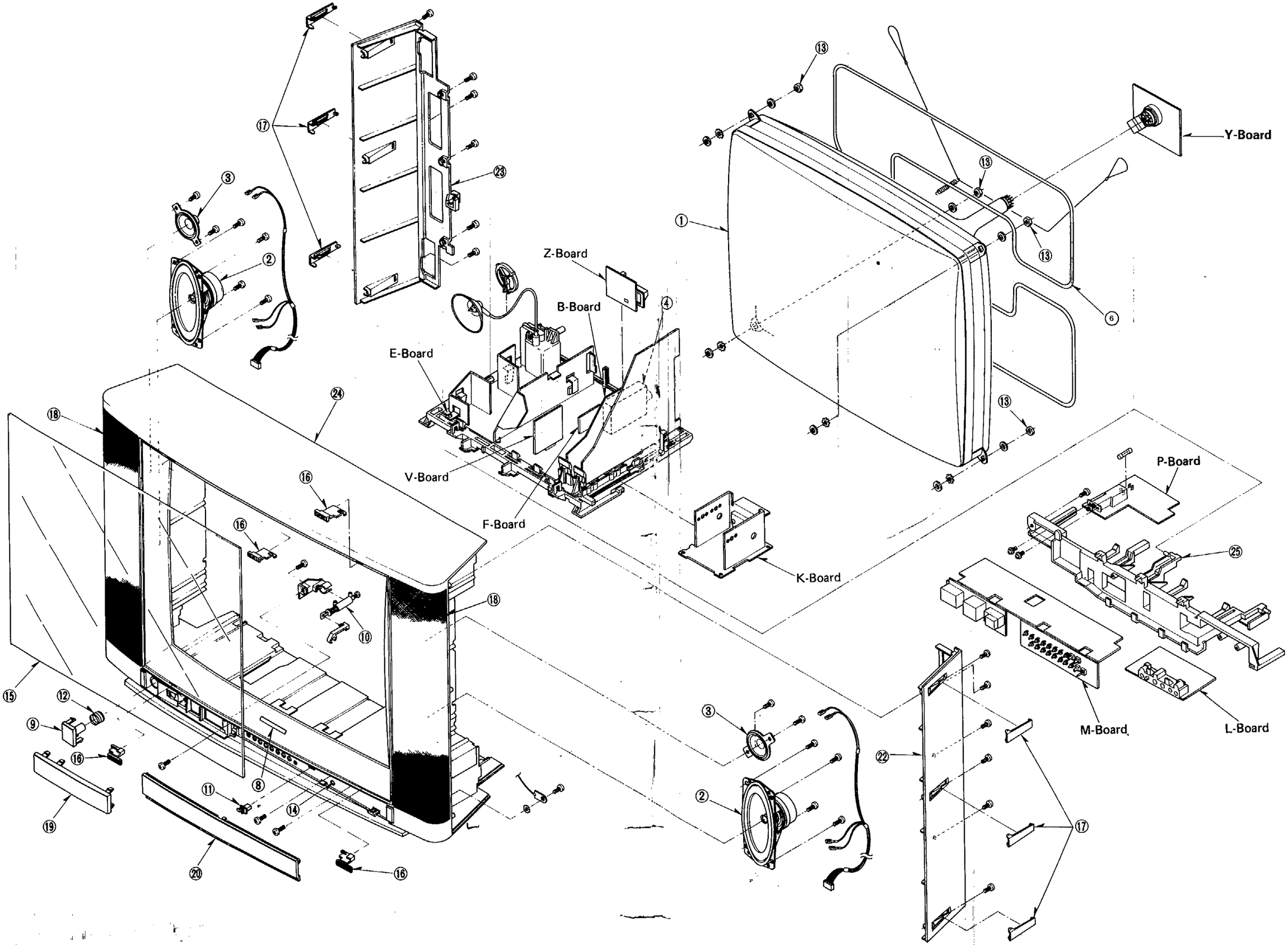

(TO K2)
L IN
GND (L)
R IN
GND (R)
L1
JLA
JLB
JLC
JLD
R279
220 1W
R278
220 1W
L2
JLL
C295
50V
33
R298
8.2
2W
NP
L4
(TO Z1)
L
R
GND (L)
GND (R)
L3
JLN
C296
50V
33
R299
8.2
2W
NP
L-BOARD
TNP107488AF

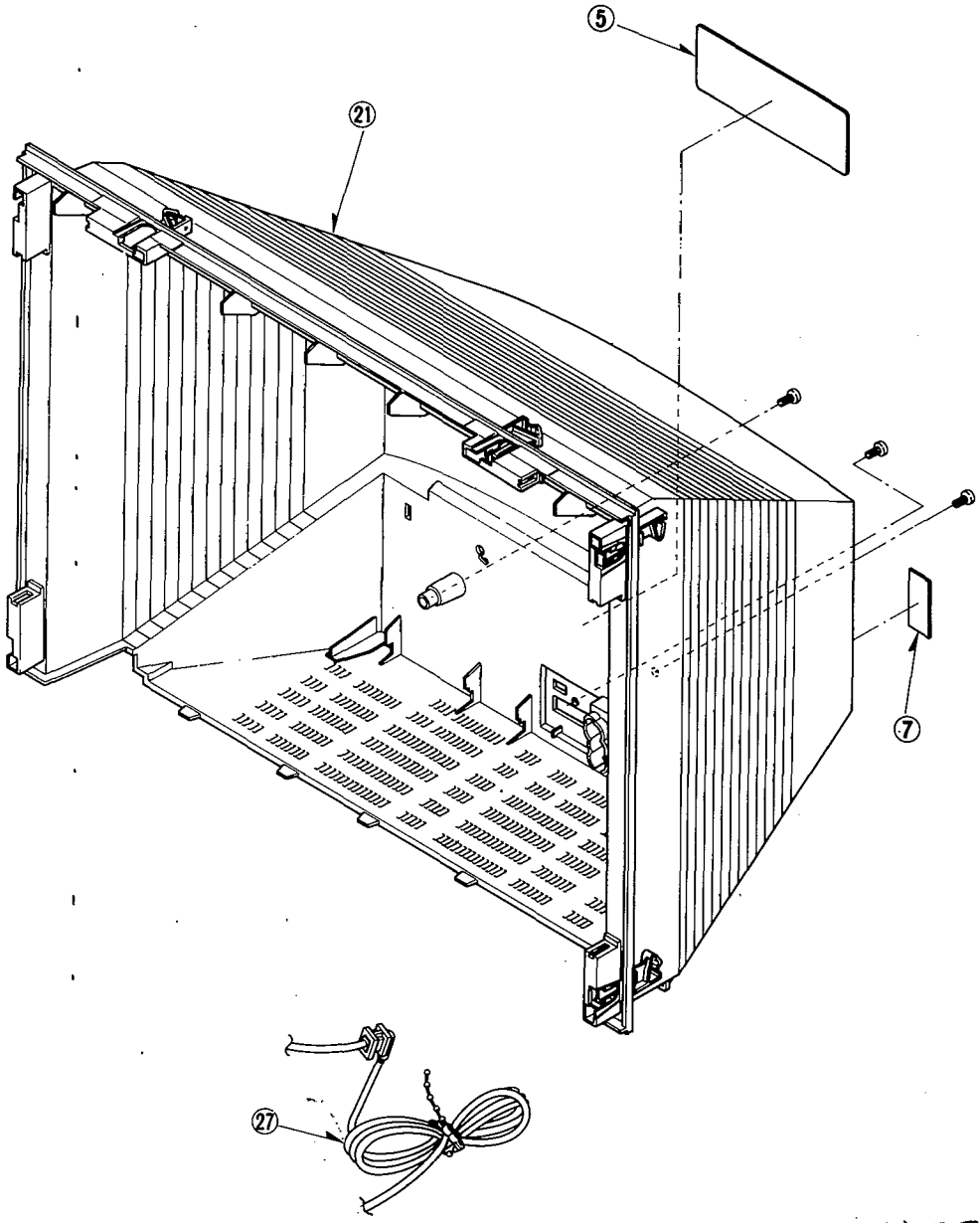

IC2351
STK4392 IV
AUDIO AMP
PRE AMP
PRE DRIVER
BIAS
POWER AMP
BOOT-STRAPPING
K-BOARD
TNP107172AN
K1
K2
(TO E8)
(TO L1)
E
32V
RIN
LIN
ROUT
LOUT


(TO E1)
P1
P-BOARD
TNP107485
L801
ELF18D650L
L802
TLP16574E
L812
TLP16574E
S801
ESR98267S
C831
470P
L807
5.6
P55
P57
(TO M6)
JPD
P54
P53
(TO E5)
FB01
250V
3.15A
BLUE
BR

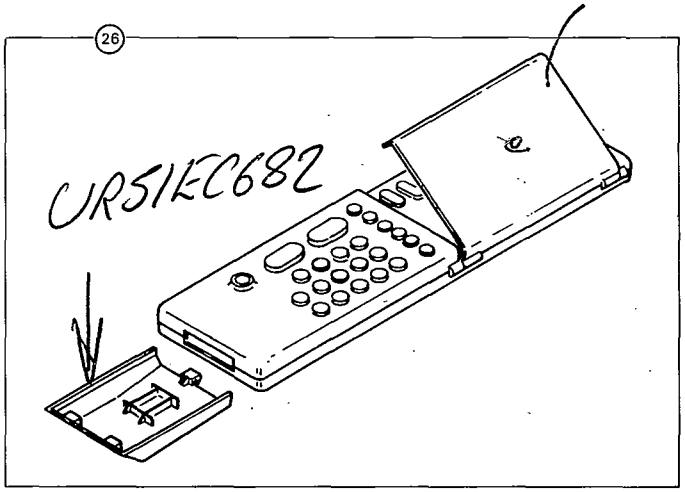
PARTS LOCATION

NOTE: The circled numbers on this page correspond to the numbers in the replacement parts list





SHEET
TQF67594.



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

MISCELLANEOUS COMPONENTS

Ref No.		Part No.	Description
1)	⚠	A66EAK22X01	C.R.T.
2)		EAS16D134KAG	SPEAKER
3)		EAS5PH10R-G	SPEAKER
4)	⚠	ENV87826G2	TUNER
5)		TBM120989-1	REAR COVER LABEL
6)	⚠	TXFLK01RTG	DEGAUSSING COIL
7)		TBM120988	ANT. TERMINAL LABEL
8)		TBM153010	PANASONIC BADGE
9)		TBX2880900	POWER BUTTON
10)		TEK13321	CONTROL PANEL LID DAMPER
11)		TEK17918	LID SWITCH
12)		TES2259	POWER BUTTON SPRING
13)		THN8E001	CRT NUT
14)		TBM120951	PRESET PANEL
15)	⚠	TKG170759	FRONT GLASS
16)		TKK179763	FRONT GLASS SUPPORT
17)		TKK188510	SIDE COVER CLIPS
18)		TKP1757531	SPEAKER NET
19)		TKP1811072	SMOKED PANEL
20)		TKP1811092-1	CONTROL PANEL LID
21)	⚠	TKU581401	REAR COVER
22)		TKU581900	RIGHT SIDE COVER
23)		TKU582000	LEFT SIDE COVER
24)	⚠	TKY182300	CABINET
25)		TMW27175-1	CONTROL BRACKET
26)		TNQ8E0428-1	REMOTE CONTROL
27)	⚠	TSX8E0002	POWER LEAD
	⚠	TNP107172AN	K PCB
	⚠	TNP107221AK	Y PCB
	⚠	TNP107395	F PCB
	⚠	TNP107457AK	A PCB
	⚠	TNP107483AE	B PCB
	⚠	TNP107485	P PCB
	⚠	TNP107487AE	M PCB
	⚠	TNP107488AF	L PCB
	⚠	TNP107495	Z PCB
	⚠	TNP107500AA	H PCB
	⚠	TNP107553AD	V PCB
	⚠	TNP197052	E PCB
		TPC8E4161	CARTON
		TPD8E519	CUSHION(TOP)
		TPD8E520	CUSHION(BOTTOM)
		TQB8E0487	INSTRUCTION BOOK
		TKR27800	REAR COVER FIXING CLIP
		TJB17648	A.V. TERMINAL
		TJB17649	HEADPHONE TERMINAL
J2601		TJS118900	21 PIN TERMINAL
		TES4223	CRT EARTH SPRING
		TBX3783600	STEREO-MONO BUTTON
		TMZ159944	DAMPER ARM
		TMZ159945-1	DAMPER HOLDER
J234		TJB17929	EXT. SPEAKER TERMINAL
DL301		ELB4N040	LUMINANCE DELAY LINE
DL601		SDL145D	CHROMA. DELAY LINE
F801	⚠	195-3.15	FUSE
	⚠	520-001	FUSE, HOLDER

CAPACITORS

C13	ECKC1H103JB	CERAMIC	50V	10nF
C14	ECEA1CU330	ELECTROLYTIC	16V	33μF
C15	ECEA50Z2R2	ELECTROLYTIC	50V	2.2μF
C26	ECEA1CU470	ELECTROLYTIC	16V	47μF
C28	ECKC1H103JB	CERAMIC	50V	10nF
C29	ECEA16Z10	ELECTROLYTIC	16V	10μF
C30	ECKC1H103JB	CERAMIC	50V	10nF
C31	ECKC1H103JB	CERAMIC	50V	10nF
C70	ECEA1HU010	ELECTROLYTIC	50V	01μF
C71	ECEA1HU100	ELECTROLYTIC	50V	10μF
C106	ECEA1HN010	ELECTROLYTIC	50V	01μF
C110	ECKC1H103JB	CERAMIC	50V	10nF
C113	ECKC1H103JB	CERAMIC	50V	10nF
C115	ECKC1H103JB	CERAMIC	50V	10nF
C116	ECKC1H103JB	CERAMIC	50V	10nF
C117	ECKC1H103JB	CERAMIC	50V	10nF
C120	ECEA1CU470	ELECTROLYTIC	16V	47μF
C131	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C132	ECEA1CU470	ELECTROLYTIC	16V	47μF
C133	ECEA50ZR47	ELECTROLYTIC	50V	0.47μF
C137	ECKC1H103JB	CERAMIC	50V	10nF
C138	ECKC1H103JB	CERAMIC	50V	10nF
C142	ECCR1H390J	CERAMIC	50V	39pF
C143	ECEA50ZR47	ELECTROLYTIC	50V	0.47μF
C144	ECCR1H270J	CERAMIC	50V	27pF
C145	ECKC1H103JB	CERAMIC	50V	10nF
C146	ECEA1CU470	ELECTROLYTIC	16V	47μF
C147	ECEA1HU010	ELECTROLYTIC	50V	01μF
C150	ECKC1H103JB	CERAMIC	50V	10nF
C152	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C153	ECEA1CU471	ELECTROLYTIC	16V	470μF
C154	ECKC1H271J	CERAMIC	50V	270pF
C155	ECCR1H180J	CERAMIC	50V	18pF
C171	ECQM1H472JZ	PLASTIC FILM	50V	4.7nF
C172	ECCR1H330J	CERAMIC	50V	33pF
C175	ECQV1H105JZ	PLASTIC FILM	50V	1.0μF
C176	ECKC1H103JB	CERAMIC	50V	10nF
C177	ECEA1AU220	ELECTROLYTIC	10V	22μF
C179	ECQV1H474JZ	PLASTIC FILM	50V	470nF
C184	ECEA1HU010	ELECTROLYTIC	50V	01μF
C186	ECCR1H181J	CERAMIC	50V	180pF
C187	ECKC1H271J	CERAMIC	50V	270pF
C209	ECEA1CU100	ELECTROLYTIC	16V	10μF
C210	ECEA50ZR22	ELECTROLYTIC	50V	0.22μF
C211	ECEA1CU220	ELECTROLYTIC	16V	22μF
C212	ECKC1H103JB	CERAMIC	50V	10nF
C213	ECKC1H103JB	CERAMIC	50V	10nF
C214	ECEA1EU4R7	ELECTROLYTIC	25V	4.7μF
C216	ECEA50ZR22	ELECTROLYTIC	50V	0.22μF
C217	ECEA1CU222	ELECTROLYTIC	16V	2200μF
C218	ECEA1CU101	ELECTROLYTIC	16V	100μF
C219	ECEA1EU4R7	ELECTROLYTIC	25V	4.7μF
C272	ECEA1HU471	ELECTROLYTIC	50V	470μF
C295	ECEA50Y3R3	ELECTROLYTIC	50V	3.3μF
C296	ECEA50Y3R3	ELECTROLYTIC	50V	3.3μF
C301	ECKC1H103JB	CERAMIC	50V	10nF
C302	ECQM1H153J	PLASTIC FILM	50V	15nF
C308	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C309	ECEA1HU100	ELECTROLYTIC	50V	10μF
C311	ECEA1HUR47	ELECTROLYTIC	50V	.47μF
C312	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C313	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C314	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C323	ECCR1H470J	CERAMIC	50V	47pF
C327	ECCR1H820J	CERAMIC	50V	82pF
C328	ECKC1H103JB	CERAMIC	50V	10nF
C351	ECCR1H221J	CERAMIC	50V	220pF
C352	ECCR1H271J	CERAMIC	50V	270pF
C353	ECCR1H221J	CERAMIC	50V	220pF
C355	ECKC3D152J	CERAMIC	2KV	1.5nF
C357	ECKC2H152J	CERAMIC	500V	1.5nF
C358	ECEA1HU220	ELECTROLYTIC	50V	22μF
C368	ECEA2ES010	ELECTROLYTIC	250V	01μF
C371	ECEA1EU470	ELECTROLYTIC	25V	47μF
C375	ECQV1H474JZ	PLASTIC FILM	50V	470nF
C376	ECCR1H470J	CERAMIC	50V	47pF
C377	ECCR1H470J	CERAMIC	50V	47pF
C378	ECCR1H470J	CERAMIC	50V	47pF
C401	ECEA1HUR33	ELECTROLYTIC	50V	.33μF
C402	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C403	ECKC1H103JB	CERAMIC	50V	10nF
C452	ECKC2H122J	CERAMIC	500V	1.2nF
C453	ECQM1H333JZ	PLASTIC FILM	50V	33nF
C455	ECEA1HGE101	ELECTROLYTIC	50V	1μF
C456	ECEA1VGE222	ELECTROLYTIC	35V	200μF
C457	ECQV1H394JZ	PLASTIC FILM	50V	390nF
C458	ECEA1VU332	ELECTROLYTIC	35V	3300μF
C459	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C460	ECQV1H224JZ	PLASTIC FILM	50V	220nF
C462	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C465	ECQV1H474JZ	PLASTIC FILM	50V	470nF
C466	ECEA25Z4R7	ELECTROLYTIC	25V	4.7μF
C467	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C501	ECQV1H104JZ	PLASTIC FILM	50V	100nF

Ref No.	Part No.	Description		
C502	ECQP1152GZ	PLASTIC FILM	100V	1.5nF
C503	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C504	ECEA1CU102	ELECTROLYTIC	16V	1000μF
C505	ECKC1H101J	CERAMIC	50V	100pF
C506	ECEA1HU220	ELECTROLYTIC	50V	22μF
C507	ECEA1HU4R7	ELECTROLYTIC	50V	4.7μF
C510	ECQM1H682J	PLASTIC FILM	50V	6.8nF
C515	ECQM1H122J	PLASTIC FILM	50V	1.2nF
C517	ECQV1H154JZ	PLASTIC FILM	50V	150nF
C518	ECEA1CU100	ELECTROLYTIC	16V	10μF
C519	ECEA1CU330	ELECTROLYTIC	16V	33μF
C520	ECEA1VU4R7	ELECTROLYTIC	35V	4.7μF
C522	ECEA1CN100	ELECTROLYTIC	16V	10μF
C525	ECEA1CU470	ELECTROLYTIC	16V	47μF
C531	ECQM1103KZ	PLASTIC FILM	100V	10nF
C541	ECEA1HU2R2	ELECTROLYTIC	50V	2.2μF
C542	ECEA1JU100	ELECTROLYTIC	63V	10μF
C543	ECEA1CU100	ELECTROLYTIC	16V	10μF
C551	ECEA2VG010	ELECTROLYTIC	350V	01μF
C552	ECWF2H824JZ	CERAMIC	500V	820nF
C553	ECEA2CS4R7	ELECTROLYTIC	160V	4.7μF
C554	ECEA2ES100	ELECTROLYTIC	250V	10μF
C555	ECKC2H471J	CERAMIC	500V	470pF
C556	ECKC3F102J	CERAMIC	3KV	1.0nF
C558	ECWH12H822J	CERAMIC	500V	8.2nF
C560	ECWF2H334JZ	CERAMIC	500V	330nF
C561	ECKC3D561J	CERAMIC	2KV	560pF
C566	ECKC2H471J	CERAMIC	500V	470pF
C576	ECEA1CGE471	ELECTROLYTIC	16V	470μF
C602	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C603	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C604	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C607	ECEA1HU010	ELECTROLYTIC	50V	01μF
C612	ECKC1H103JB	CERAMIC	50V	10nF
C613	ECKC1H103JB	CERAMIC	50V	10nF
C615	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C620	ECKC1H222J	CERAMIC	50V	2.2nF
C621	ECQM1H473JZ	PLASTIC FILM	50V	47nF
C622	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C623	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C624	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C626	ECKC1H103JB	CERAMIC	50V	10nF
C627	ECEA1CU221	ELECTROLYTIC	16V	220μF
C628	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C631	ECCR1H220J	CERAMIC	50V	22pF
C635	ECKC1H472J	CERAMIC	50V	4.7nF
C637	ECRHA030E11	TRIMMER CAPACITOR		30pF
C638	ECEA1HU010	ELECTROLYTIC	50V	01μF
C639	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C642	ECKC1H103JB	CERAMIC	50V	10nF
C651	ECEA1HUR33	ELECTROLYTIC	50V	33μF
C652	ECEA1HUR33	ELECTROLYTIC	50V	33μF
C653	ECCR1H101J	CERAMIC	50V	100pF
C654	ECCR1H101J	CERAMIC	50V	100pF
C655	ECKC1H331J	CERAMIC	50V	330pF
C656	ECKC1H471J	CERAMIC	50V	470pF
C657	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C658	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C659	ECKC1H471J	CERAMIC	50V	470pF
C661	ECEA1CN220	ELECTROLYTIC	16V	22μF
C662	ECKC1H332J	CERAMIC	50V	3.3nF
C663	ECEA1EU470	ELECTROLYTIC	25V	47μF
C664	ECKC1H101J	CERAMIC	50V	100pF
C665	ECKC1H101J	CERAMIC	50V	100pF
C671	ECKC1H331J	CERAMIC	50V	330pF
C681	ECEA1HN010	ELECTROLYTIC	50V	01μF
C682	ECCR1H220J	CERAMIC	50V	22pF
C683	ECCR1H101J	CERAMIC	50V	100pF
C684	ECQV1H105JZ	PLASTIC FILM	50V	1.0μF
C685	ECEA1EN3R3	ELECTROLYTIC	25V	3.3μF
C751	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C752	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C753	ECQM10223JZ	PLASTIC FILM	1KV ⚠	22nF
C754	ECCR1H181J	CERAMIC	50V	180pF
C755	ECEA1VU470	ELECTROLYTIC	35V	47μF
C756	ECEA1EU221	ELECTROLYTIC	25V	220μF
C758	ECQM1225KNB	PLASTIC FILM	100V	2.2μF
C760	ECEA1EN4R7	ELECTROLYTIC	25V	4.7μF
C801	222233040473	CAPACITOR	250V	47nF
C802	222233040473	CAPACITOR	250V	47nF
C803	ECKC2H472J	CERAMIC	500V	4.7nF
C804	ECKC2H472J	CERAMIC	500V	4.7nF
C805	ECKC2H472J	CERAMIC	500V	4.7nF
C806	ECKC2H472J	CERAMIC	500V	4.7nF
C807	ECQS2GA221CA	PLASTIC FILM	~~100V~~	~~220pF~~ 400V 3300F
C808	ECEA1HFS100	ELECTROLYTIC	50V	S1μF
C809	ECQV1H334JZ	PLASTIC FILM	50V	330nF
C810	ECKC2H103J	CERAMIC	500V	10nF
C811	ECKC3A821J	CERAMIC	1KV	820pF
C812	ECKC3A471J	CERAMIC	1KV	470pF
C813	ECKCNS332J	CERAMIC	1.2KV	3.3nF
C815	ECKC2H471J	CERAMIC	500V	470pF
C816	ECQM6473KZ	PLASTIC FILM	600V	47nF
C817	ECKC1H471J	CERAMIC	50V	470pF

Ref No.	Part No.	Description		
C820	ECKC3A102J	CERAMIC	1KV	1.0nF
C831	ECKCNS471J	CERAMIC	1.2KV	470pF
C851	ECKC3A152J	CERAMIC	1KV	1.5nF
C852	ECKC2H681J	CERAMIC	500V	680pF
C853	ECKC2H561J	CERAMIC	500V	560pF
C854	ECEA2EG101	ELECTROLYTIC	250V	100μF
C855	ECEA1VGE101	ELECTROLYTIC	35V	1μF
C856	ECEA1HV471	ELECTROLYTIC	50V	470μF
C857	ECKC2H471J	CERAMIC	500V	470pF
C858	ECEA1EGE102	ELECTROLYTIC	25V	1μF
C859	ECEA1EGE100	ELECTROLYTIC	25V	1μF
C860	ECKC1H103JB	CERAMIC	50V	10nF
C861	ECEA1CGE101	ELECTROLYTIC	16V	1μF
C863	ECQV1H105JZ	PLASTIC FILM	50V	1.0μF
C1101	ECEA16Z10	ELECTROLYTIC	16V	10μF
C1102	ECEA1CU100	ELECTROLYTIC	16V	10μF
C1103	ECEA1CU100	ELECTROLYTIC	16V	10μF
C1104	ECQM1H392JC	PLASTIC FILM	50V	3.9nF
C1105	ECQM1H333J	PLASTIC FILM	50V	33nF
C1106	ECQP1392JZ	PLASTIC FILM	100V	3900pF
C1107	ECEA0JU101	ELECTROLYTIC	6.3V	100μF
C1201	ECKC1H103JB	CERAMIC	50V	10nF
C1202	ECQM1H272JZ	PLASTIC FILM	50V	2.7nF
C1203	ECEA0JU101	ELECTROLYTIC	6.3V	100μF
C1204	ECQM1H333JZ	PLASTIC FILM	50V	33nF
C1205	ECKC1H103JB	CERAMIC	50V	10nF
C1205	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C1206	ECEA1CGE102	ELECTROLYTIC	16V	E1μF
C1207	ECCR1H150J	CERAMIC	50V	15pF
C1208	ECCR1H270J	CERAMIC	50V	27pF
C1214	ECEA0JGE221	ELECTROLYTIC	6.3V	200μF
C1221	ECKC1H103JB	CERAMIC	50V	10nF
C1222	ECEA50Z1R5	ELECTROLYTIC	50V	1.5μF
C1227	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C1310	ECEA1CU100	ELECTROLYTIC	16V	10μF
C1311	ECEA1CU101	ELECTROLYTIC	16V	100μF
C1313	ECEA1CU100	ELECTROLYTIC	16V	10μF
C1314	ECEA1HU2R2	ELECTROLYTIC	50V	2.2μF
C2001	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2002	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2014	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2015	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2016	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2018	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2019	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2022	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2024	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2025	ECEA1CU101	ELECTROLYTIC	16V	100μF
C2026	ECEA1HU0R1	ELECTROLYTIC	50V	0.1μF
C2027	ECKC1H471J	CERAMIC	50V	470pF
C2035	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2040	ECEA1HU010	ELECTROLYTIC	50V	01μF
C2046	ECEA1AU221	ELECTROLYTIC	10V	220μF
C2047	ECKC1H103JB	CERAMIC	50V	10nF
C2050	ECEA1HUR47	ELECTROLYTIC	50V	47μF
C2051	ECEA1HUR47	ELECTROLYTIC	50V	47μF
C2052	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2053	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2054	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2057	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2067	ECEA1AU221	ELECTROLYTIC	10V	220μF
C2202	ECEA1EU100	ELECTROLYTIC	25V	10μF
C2203	ECKC1H103JB	CERAMIC	50V	10nF
C2204	ECEA1EU330	ELECTROLYTIC	25V	33μF
C2205	ECEA1CU102	ELECTROLYTIC	16V	1000μF
C2206	ECEA1AU102	ELECTROLYTIC	10V	1000μF
C2207	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2213	ECEA1CU470	ELECTROLYTIC	16V	47μF
C2228	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2229	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2233	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2234	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2262	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2263	ECEA1CN100	ELECTROLYTIC	16V	10μF
C2268	ECEA1CU101	ELECTROLYTIC	16V	100μF
C2275	ECEA50Z1	ELECTROLYTIC	50V	1μF
C2276	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2277	ECEA1AU101	ELECTROLYTIC	10V	100μF
C2278	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2279	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2280	ECEA1CU100	ELECTROLYTIC	16V	10μF
C2281	ECEA1CU471	ELECTROLYTIC	16V	470μF
C2284	ECEA1AU101	ELECTROLYTIC	10V	100μF
C2285	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2286	ECEA1AU470	ELECTROLYTIC	10V	47μF
C2287	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2288	ECEA1CU470	ELECTROLYTIC	16V	47μF
C2289	ECCR1H220J	CERAMIC	50V	22pF
C2290	ECCR1H220J	CERAMIC	50V	22pF
C2291	ECEA1CU470	ELECTROLYTIC	16V	47μF
C2292	ECCR1H681J	CERAMIC	50V	680pF
C2293	ECEA1CU470	ELECTROLYTIC	16V	47μF
C2294	ECEA1CU101	ELECTROLYTIC	16V	100μF
C2295	ECKC1H122J	CERAMIC	50V	1.2nF

Ref No.	Part No.	Description		
C2296	ECEA1CU221	ELECTROLYTIC	16V	220µF
C2297	ECKC1H122J	CERAMIC	50V	1.2nF
C2298	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2299	ECCR1H681J	CERAMIC	50V	680pF
C2303	ECEA1CU101	ELECTROLYTIC	16V	100µF
C2304	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2305	ECQM1H392JC	PLASTIC FILM	50V	3.9nF
C2306	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2307	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2308	ECQM1H103KZ	PLASTIC FILM	50V	10nF
C2309	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C2310	ECQM1H103KZ	PLASTIC FILM	50V	10nF
C2311	ECEA1CU471	ELECTROLYTIC	16V	470µF
C2321	ECQM1H392JC	PLASTIC FILM	50V	3.9nF
C2322	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2326	ECQM1H123J	PLASTIC FILM	50V	12nF
C2327	ECQM1H103KZ	PLASTIC FILM	50V	10nF
C2328	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2351	ECQM1H332KZ	PLASTIC FILM	50V	3.3nF
C2352	ECQM1H332KZ	PLASTIC FILM	50V	3.3nF
C2353	ECEA1HNR47	ELECTROLYTIC	50V	.47µF
C2354	ECEA1HNR47	ELECTROLYTIC	50V	.47µF
C2355	ECEA1EU221	ELECTROLYTIC	25V	220µF
C2356	ECEA1EU221	ELECTROLYTIC	25V	220µF
C2357	ECEA1VU470	ELECTROLYTIC	35V	47µF
C2358	ECEA1VU470	ELECTROLYTIC	35V	47µF
C2359	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2360	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2361	ECEA1HU102	ELECTROLYTIC	50V	1000µF
C2362	ECEA1HU102	ELECTROLYTIC	50V	1000µF
C2363	ECEA1HU010	ELECTROLYTIC	50V	01µF
C2364	ECEA1VU470	ELECTROLYTIC	35V	47µF
C2365	ECEA1HU331	ELECTROLYTIC	50V	330µF
C2366	ECQM1H823J	PLASTIC FILM	50V	82nF
C2367	ECQM1H823J	PLASTIC FILM	50V	82nF
C2368	ECES1HU472	ELECTROLYTIC	50V	4700µF
C2370	ECQM1H332J	PLASTIC FILM	50V	3.3nF
C2371	ECQM1H332J	PLASTIC FILM	50V	3.3nF
C2378	ECKC1H152J	CERAMIC	50V	1.5nF
C2379	ECKC1H152J	CERAMIC	50V	1.5nF
C2401	ECEA1CU102	ELECTROLYTIC	16V	1000µF
C2402	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2403	ECKC1H103JB	CERAMIC	50V	10nF
C2404	ECEA1EU330	ELECTROLYTIC	25V	33µF
C2410	ECKC1H103JB	CERAMIC	50V	10nF
C2411	ECEA1CU101	ELECTROLYTIC	16V	100µF
C2418	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2419	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2426	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2427	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2428	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2429	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2430	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2431	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2432	ECEA1CU221	ELECTROLYTIC	16V	220µF
C2433	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2437	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2441	ECCR1H101J	CERAMIC	50V	100pF
C2442	ECCR1H101J	CERAMIC	50V	100pF
C2444	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2453	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2455	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2501	ECQM1H102KZ	PLASTIC FILM	50V	1.0nF
C2502	ECQM1H152J	PLASTIC FILM	50V	1.5nF
C2503	ECQM1H102KZ	PLASTIC FILM	50V	1.0nF
C2504	ECKC1H103JB	CERAMIC	50V	10nF
C2505	ECKC1H103JB	CERAMIC	50V	10nF
C2506	ECCR1H120J	CERAMIC	50V	12pF
C2507	ECKC1H103JB	CERAMIC	50V	10nF
C2508	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2509	ECKC1H103JB	CERAMIC	50V	10nF
C2510	ECEA50ZR1	ELECTROLYTIC	50V	0.1µF
C2511	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2512	ECKC1H103JB	CERAMIC	50V	10nF
C2513	ECKC1H103JB	CERAMIC	50V	10nF
C2514	ECKC1H103JB	CERAMIC	50V	10nF
C2515	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2516	ECKC1H103JB	CERAMIC	50V	10nF
C2517	ECQV1H224JZ	PLASTIC FILM	50V	220nF
C2518	ECCR1H050C	CERAMIC	50V	05pF
C2520	ECQM1H153JZ	PLASTIC FILM	50V	15nF
C2521	ECQM1H563J	PLASTIC FILM	50V	56nF
C2522	ECEA1HU010	ELECTROLYTIC	50V	01µF
C2523	ECKC1H103JB	CERAMIC	50V	10nF
C2524	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2525	ECCR1H270J	CERAMIC	50V	27pF
C2526	ECCR1H010C	CERAMIC	50V	01pF
C2527	ECEA50ZR47	ELECTROLYTIC	50V	0.47µF
C2528	ECCR1H271J	CERAMIC	50V	270pF
C2529	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2530	ECCR1H101J	CERAMIC	50V	100pF
C2531	ECEA1CU101	ELECTROLYTIC	16V	100µF
C2532	ECCR1H100J	CERAMIC	50V	10pF
C2533	ECKC1H103JB	CERAMIC	50V	10nF

Ref No.	Part No.	Description		
C2534	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2535	ECKC1H103JB	CERAMIC	50V	10nF
C2536	ECEA1CU330	ELECTROLYTIC	16V	33µF
C2537	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2538	ECKC1H103JB	CERAMIC	50V	10nF
C2539	ECEA1AU101	ELECTROLYTIC	10V	100µF
C2540	ECKC1H103JB	CERAMIC	50V	10nF
C2541	ECEA1EU330	ELECTROLYTIC	25V	33µF
C2542	ECEA50ZR47	ELECTROLYTIC	50V	0.47µF
C2543	ECEA50ZR47	ELECTROLYTIC	50V	0.47µF
C2544	ECKC1H103JB	CERAMIC	50V	10nF
C2545	ECCR1H180J	CERAMIC	50V	18pF
C2546	ECRHA020E11	TRIMMER CAPACITOR		20pF
C2547	ECCR1H560J	CERAMIC	50V	56pF
C2548	ECEA50ZR47	ELECTROLYTIC	50V	0.47µF
C2549	ECKC1H103JB	CERAMIC	50V	10nF
C2550	ECKC1H103JB	CERAMIC	50V	10nF
C2551	ECKC1H103JB	CERAMIC	50V	10nF
C2552	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2553	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2554	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2555	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2556	ECKC1H103JB	CERAMIC	50V	10nF
C2557	ECKC1H103JB	CERAMIC	50V	10nF
C2558	ECEA50ZR47	ELECTROLYTIC	50V	0.47µF
C2559	ECCR1H180J	CERAMIC	50V	18pF
C2560	ECRHA020E11	TRIMMER CAPACITOR		20pF
C2561	ECCR1H560J	CERAMIC	50V	56pF
C2562	ECCR1H560J	CERAMIC	50V	56pF
C2563	ECCR1H150J	CERAMIC	50V	15pF
C2564	ECCR1H150J	CERAMIC	50V	15pF
C2565	ECCR1H150J	CERAMIC	50V	15pF
C2566	ECKC1H103JB	CERAMIC	50V	10nF
C2567	ECEA1EU330	ELECTROLYTIC	25V	33µF
C2568	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2569	ECEA1EU100	ELECTROLYTIC	25V	10µF
C2570	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2571	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2572	ECCR1H221J	CERAMIC	50V	220pF
C2573	ECCR1H221J	CERAMIC	50V	220pF
C2574	ECCR1H470J	CERAMIC	50V	47pF
C2576	ECKC1H103JB	CERAMIC	50V	10nF
C2579	ECCR1H330J	CERAMIC	50V	33pF
C2580	ECCR1H101J	CERAMIC	50V	100pF
C2581	ECEA1HU010	ELECTROLYTIC	50V	01µF
C2582	ECEA1HU010	ELECTROLYTIC	50V	01µF
C2583	ECCR1H180J	CERAMIC	50V	18pF
C2584	ECCR1H180J	CERAMIC	50V	18pF
C2587	ECCR1H180J	CERAMIC	50V	18pF
C2589	ECKC1H103JB	CERAMIC	50V	10nF
C2601	ECKC1H103JB	CERAMIC	50V	10nF
C2602	ECEA1EN4R7	ELECTROLYTIC	25V	4.7µF
C2603	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2604	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2605	ECEA1HN010	ELECTROLYTIC	50V	01µF
C2606	ECEA1CU471	ELECTROLYTIC	16V	470µF
C2607	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2608	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C2609	ECEA1EN4R7	ELECTROLYTIC	25V	4.7µF
C2610	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2611	ECEA1CU470	ELECTROLYTIC	16V	47µF
C2612	ECEA1CN100	ELECTROLYTIC	16V	10µF
C2613	ECEA1CU471	ELECTROLYTIC	16V	470µF
C2619	ECKC1H471J	CERAMIC	50V	470pF
C2628	ECEA1CU100	ELECTROLYTIC	16V	10µF
C2629	ECEA1CN220	ELECTROLYTIC	16V	22µF
C2701	ECEA1CU330	ELECTROLYTIC	16V	33µF
C2702	ECQM1H103KZ	PLASTIC FILM	50V	10nF
C2703	ECQM1H392JC	PLASTIC FILM	50V	3.9nF
C2704	ECEA1CU331	ELECTROLYTIC	16V	330µF
C2705	ECEA1HU010	ELECTROLYTIC	50V	01µF
C2706	ECQP1562JZ	PLASTIC FILM	100V	5600pF
C2707	ECQM1H272JZ	PLASTIC FILM	50V	2.7nF
C2708	ECEA1HU3R3	ELECTROLYTIC	50V	3.3µF
C2736	ECQM1H103KZ	PLASTIC FILM	50V	10nF
C3502	ECCR1H150J	CERAMIC	50V	15pF
C3503	ECKC1H102J	CERAMIC	50V	1.0nF
C3504	ECKC1H471J	CERAMIC	50V	470pF
C3505	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C3506	ECKC1H271J	CERAMIC	50V	270pF
C3507	ECCR1H101J	CERAMIC	50V	100pF
C3508	ECCR1H150J	CERAMIC	50V	15pF
C3509	ECCR1H270J	CERAMIC	50V	27pF
C3510	ECQM1H683J	PLASTIC FILM	50V	68nF
C3511	ECCR1H221J	CERAMIC	50V	220pF
C3512	ECQM1H473JZ	PLASTIC FILM	50V	47nF
C3513	ECEA1CU100	ELECTROLYTIC	16V	10µF
C3515	ECQM1H473JZ	PLASTIC FILM	50V	47nF
C3516	ECQV1H224JZ	PLASTIC FILM	50V	220nF
C3517	ECKC1H103JB	CERAMIC	50V	10nF
C3521	ECQV1H104JZ	PLASTIC FILM	50V	100nF
C3522	ECEA1HU2R2	ELECTROLYTIC	50V	2.2µF
C3523	ECEA0JU101	ELECTROLYTIC	6.3V	100µF
C3524	ECEA0JU222	ELECTROLYTIC	6.3V	2200µF

Ref No.	Part No.	Description		
C3525	ECEA1CU470	ELECTROLYTIC	16V	47μF
C3526	ECKC1H103JB	CERAMIC	50V	10nF
C3527	ECCR1H180J	CERAMIC	50V	18pF
C3528	ECRHA020E11	TRIMMER CAPACITOR		20pF
C3532	ECKC1H103JB	CERAMIC	50V	10nF
C3533	ECQM1H223JZ	PLASTIC FILM	50V	22nF
C3534	ECEA1CU220	ELECTROLYTIC	16V	22μF
C3536	ECKC1H103JB	CERAMIC	50V	10nF
C3544	ECCR1H150J	CERAMIC	50V	15pF
C3545	ECCR1H270J	CERAMIC	50V	27pF
C3546	ECKC1H103JB	CERAMIC	50V	10nF
C3548	ECEA0JU101	ELECTROLYTIC	6.3V	100μF
C3550	ECEA1HN010	ELECTROLYTIC	50V	01μF
C3552	ECKC1H103JB	CERAMIC	50V	10nF
C3553	ECEA1CU221	ELECTROLYTIC	16V	220μF
C3554	ECCR1H100J	CERAMIC	50V	10pF
C3555	ECEA1CN330	ELECTROLYTIC	16V	33μF
C3556	ECCR1H470J	CERAMIC	50V	47pF
C3558	ECRBA160N11	TRIMMER CAPACITOR		160pF
C3559	ECCR1H560J	CERAMIC	50V	56pF
C3561	ECEA1HU010	ELECTROLYTIC	50V	01μF
C3565	ECCR1H070J	CERAMIC	50V	07pF
C3566	ECKC1H821J	CERAMIC	50V	820pF
C3567	ECKC1H821J	CERAMIC	50V	820pF
C3568	ECKC1H821J	CERAMIC	50V	820pF
C3570	ECEA0JU471	ELECTROLYTIC	6.3V	470μF
C3571	ECEA1HU010	ELECTROLYTIC	50V	01μF

DIODES

D171	MA4082	DIODE
D174	MA165TA5	DIODE
D177	MA150TA	DIODE
D179	MA4047	DIODE
D181	MA4082	DIODE
D182	MA4082	DIODE
D201	MA165TA5	DIODE
D202	MA165TA5	DIODE
D203	MA165TA5	DIODE
D204	MA165TA5	DIODE
D205	MA165TA5	DIODE
D206	MA165TA5	DIODE
D221	MA165TA5	DIODE
D303	MA165TA5	DIODE
D305	MA4130	DIODE
D306	MA4130	DIODE
D307	MA4130	DIODE
D313	MA27TA5	DIODE
D314	MA4033	DIODE
D319	MA165TA5	DIODE
D320	MA165TA5	DIODE
D321	MA165TA5	DIODE
D328	MA4056	DIODE
D330	MA858TA5	DIODE
D403	MA27TA5	DIODE
D451	ERA15-02V3	DIODE
D452	MA165TA5	DIODE
D453	MA165TA5	DIODE
D501	ERA15-02V3	DIODE
D505	MA165TA5	DIODE
D508	MA4051	DIODE
D510	MA165TA5	DIODE
D511	MA4047	DIODE
D541	MA4360	DIODE
D551	ERA22-02V3	DIODE
D552	MA167TA5	DIODE
D554	ERA22-02V3	DIODE
D603	MA4056	DIODE
D604	MA858TA5	DIODE
D671	MA858TA5	DIODE
D753	ERB06-15	DIODE
D754	TVSRU2AM	DIODE
D755	MA4200	DIODE
D757	MA165TA5	DIODE
D758	MA165TA5	DIODE
D801	D4SB80Z	DIODE BRIDGE
D804	ERZC10DK621	DIODE
D805	232266296009	DIODE
D807	ERA22-04V3	DIODE
D809	ERA22-02V3	DIODE
D810	ERA22-08V3	DIODE
D811	TLP621GR-LF2	PHOTO COUPLER
D812	MA150TA	DIODE
D851	TVSC2408M	DIODE
D852	EU02	DIODE
D853	ERD32-02L7	DIODE
D854	TVSSR2KL	DIODE
D855	ERD32-02L7	DIODE
D1101	PN323B-LFHT	DIODE
D1207	MA165TA5	DIODE
D1208	MA165TA5	DIODE

Ref No.	Part No.	Description
D1208	TVSS1WBS10	DIODE
D1220	MA165TA5	DIODE
D1221	MA4082	DIODE
D1225	MA4082	DIODE
D1228	MA4082	DIODE
D1229	MA4082	DIODE
D1244	MA165TA5	DIODE
D1251	LN81RPHL	DIODE
D1253	LN526GALTV	DIODE
D1255	LN063183P4	L.E.D.
D1267	MA4082	DIODE
D1268	MA4082	DIODE
D1310	MA4091	DIODE
D1311	MA165TA5	DIODE
D1312	MA165TA5	DIODE
D1313	MA4091	DIODE
D1315	MA700TA5	DIODE
D2001	MA165TA5	DIODE
D2003	MA165TA5	DIODE
D2007	MA165TA5	DIODE
D2008	MA165TA5	DIODE
D2009	MA165TA5	DIODE
D2010	MA165TA5	DIODE
D2011	MA165TA5	DIODE
D2012	MA165TA5	DIODE
D2013	MA165TA5	DIODE
D2017	MA165TA5	DIODE
D2027	MA165TA5	DIODE
D2028	MA165TA5	DIODE
D2029	MA165TA5	DIODE
D2030	MA165TA5	DIODE
D2031	MA165TA5	DIODE
D2032	MA165TA5	DIODE
D2038	MA700TA5	DIODE
D2039	MA700TA5	DIODE
D2040	MA700TA5	DIODE
D2041	MA165TA5	DIODE
D2043	MA700TA5	DIODE
D2054	MA165TA5	DIODE
D2055	MA165TA5	DIODE
D2056	MA165TA5	DIODE
D2057	MA165TA5	DIODE
D2058	MA165TA5	DIODE
D2059	MA165TA5	DIODE
D2060	MA165TA5	DIODE
D2061	MA165TA5	DIODE
D2062	MA165TA5	DIODE
D2063	MA165TA5	DIODE
D2219	MA165TA5	DIODE
D2223	MA165TA5	DIODE
D2224	MA165TA5	DIODE
D2250	MA165TA5	DIODE
D2251	MA165TA5	DIODE
D2252	MA165TA5	DIODE
D2253	MA165TA5	DIODE
D2303	MA165TA5	DIODE
D2304	MA165TA5	DIODE
D2351	TVSRD13FB	DIODE
D2410	MA858TA5	DIODE
D2503	MA4051	DIODE
D2603	MA165TA5	DIODE
D2605	MA165TA5	DIODE
D2607	MA165TA5	DIODE
D2610	MA150TA	DIODE
D2614	MA165TA5	DIODE
D2615	MA700TA5	DIODE
D2628	MA858TA5	DIODE
D2629	MA165TA5	DIODE
D3502	MA165TA5	DIODE
D3503	MA165TA5	DIODE
D3504	MA165TA5	DIODE
D3505	MA165TA5	DIODE
D3516	MA165TA5	DIODE
D3517	MA165TA5	DIODE
D3526	MA165TA5	DIODE
D3527	MA4082	DIODE
D3528	MA165TA5	DIODE
D3529	MA165TA5	DIODE
D3530	MA165TA5	DIODE

I.C.s

IC70	UPC574J	REGULATOR
IC101	M51362SP	VIF/SIF
IC171	SAB3035	CITAC
IC201	AN5836	AUDIO CONTROL
IC451	AN5521	VERTICAL OUTPUT
IC501	TDA2579A	SYNC CIRCUIT
IC601	TDA4510	DECODER
IC602	TDA3505	VIDEO CONTROL

Ref No.	Part No.	Description
IC651	TDA4565	CTI
IC801	STR54041-M	REGULATOR
IC851	L78M12MRB	12V REGULATOR
IC1101	UPC1474HA	I.R. RECEIVER
IC1202	PCD8582	MEMORY
IC1203	MAB8461PW134	MICROPROCESSOR
IC1204	L78M05MRB	5V REGULATOR
IC1205	SAA1061	DISPLAY DRIVER
IC2010	M51326P	SWITCHING
IC2014	DN74LS04	INVERTOR
IC2015	DN74LS76	FLIP FLOP
IC2016	DN74LS00	QUAD NAD GATE
IC2017	AN6912	IC
IC2200	L78M12MRB	12V REGULATOR
IC2201	TC6011N	IC
IC2202	TC5565APL12L	
IC2203	TD6710AN	D/A CONVERTER
IC2206	TAX10009	AUDIO LOW PASSFILTER
IC2207	TAX10009	AUDIO LOW PASSFILTER
IC2208	AN6558	AMPLIFIER
IC2209	AN6558	AMPLIFIER
IC2213	L78M05MRB	5V REGULATOR
IC2302	TDA3810	AMBIENCE CTRL
IC2351	STK4392TV	AUDIO AMP
IC2401	M51321P	SWITCHING
IC2402	L78M12MRB	12V REGULATOR
IC2403	UPD4066BC	SWITCHING
IC2501	M51366SP	VIF/SIF/AGC
IC2502	TA8662N	DECODER
IC2503	L78M09MRB	9V REGULATOR
IC2504	L78M10MRB	10V REGULATOR
IC2601	M51326P	SWITCHING
IC2702	AN5421	SYNC DETECTOR
IC3501	SAA5231	TELETEXT VIP
IC3502	SAA5243P-E	CHARACTER GEN
IC3505	L78M05MRB	5V REGULATOR
IC3506	M68400P-12L	MEMORY
IC3507	MAB8461PW135	MICROPROCESSOR

COILS

L12	TLT082L991R	COIL
L18	TLT082L991R	COIL
L110	TLI157754X	COIL
L114	TLT680K991R	COIL
L120	TLT047K991R	COIL
L131	TLT220K991R	COIL
L133	TLT082K991R	COIL
L135	EIV7EN055B	COIL
L136	EIV7EN054B	COIL
L137	TLT180K991R	COIL
L157	TLT392K991R	COIL
L171	TLT082L991R	COIL
L174	TLTR33K991R	COIL
L175	EXCELDR35V	COIL
L303	TLT100K991R	COIL
L351	TLT181K991R	COIL
L352	TLT181K991R	COIL
L353	TLT181K991R	COIL
L355	EXCELDR35V	COIL
L356	EXCELDR35V	COIL
L357	EXCELDR35V	COIL
L451	TLT082L991R	COIL
L552	ELC08D055	COIL
L553	ELH5L403	COIL
L554	ELC12B004	COIL
L555	TSC937	CHOKE
L602	TLT082K991R	COIL
L603	TLK158066	COIL
L681	TLT220K991R	COIL
L682	TLT390K991R	COIL
L752	ELC10D006	COIL
L801	ELF18D650L	FILTER
L802	TLP15574E	TRANSFORMER
L803	TSC925-4	CHOKE
L804	TSC925-4	CHOKE
L806	TSC925-4	CHOKE
L807	TLQ056K236B	COIL
L808	TLT101K991R	COIL
L812	TLP15574E	TRANSFORMER
L852	EXCELDR35V	COIL
L853	TLT030L119C	COIL
L855	TSC925-4	CHOKE
L857	TSC925-4	CHOKE
L1101	TLT542K991K	COIL
L1102	EIR7QG001B	COIL
L1201	TLQ082K236B	COIL
L1202	TLQ082K236B	COIL
L2301	TLT100L991R	COIL

Ref No.	Part No.	Description
L2501	TLT010L991R	COIL
L2503	TLT680K991R	COIL
L2504	TLT680K991R	COIL
L2505	TLT680K991R	COIL
L2507	EIS7EN019B	COIL
L2508	EIV7EN054B	COIL
L2509	ELC08D055	COIL
L2510	TLT821K991R	COIL
L2511	TLT821K991R	COIL
L2512	TLTR47L991R	COIL
L3501	TLT150K991R	COIL
L3502	TLT100L991R	COIL
L3503	TLT047L991R	COIL
LC601	ELB4K102	COIL

TRANSISTORS

Q130	2SA564-S	TRANSISTOR
Q201	UN4111TA	TRANSISTOR
Q202	UN4211TA	TRANSISTOR
Q304	2SC3311ATA	TRANSISTOR
Q351	2SC2923-RL	TRANSISTOR
Q352	2SC2923-RL	TRANSISTOR
Q353	2SC2923-RL	TRANSISTOR
Q365	2SC1685-TA	TRANSISTOR
Q366	2SC1685-TA	TRANSISTOR
Q367	2SC1685-TA	TRANSISTOR
Q401	2SC3311ATA	TRANSISTOR
Q501	2SD836-AL	TRANSISTOR
Q502	2SC3311ATA	TRANSISTOR
Q503	2SC3311ATA	TRANSISTOR
Q504	UN4213TA	TRANSISTOR
Q541	2SA1309ATA	TRANSISTOR
Q542	2SC3311ATA	TRANSISTOR
Q551	2SD1441-RL	TRANSISTOR
Q601	2SC3311ATA	TRANSISTOR
Q671	2SC3311ATA	TRANSISTOR
Q672	2SA719-TA	TRANSISTOR
Q673	2SD965-R	TRANSISTOR
Q674	2SA1309ATA	TRANSISTOR
Q675	2SC3311ATA	TRANSISTOR
Q751	2SC3311ATA	TRANSISTOR
Q752	2SA1309ATA	TRANSISTOR
Q753	2SD762-P	TRANSISTOR
Q801	2SD965-R	TRANSISTOR
Q802	2SD965-R	TRANSISTOR
Q1205	2SC3311ATA	TRANSISTOR
Q1207	UN4213TA	TRANSISTOR
Q1208	UN4215TA	TRANSISTOR
Q1212	2SC1685-TA	TRANSISTOR
Q1213	2SC3311ATA	TRANSISTOR
Q1230	UN4215TA	TRANSISTOR
Q1232	2SA1309ATA	TRANSISTOR
Q1236	UN411FTA	TRANSISTOR
Q1310	2SA1309ATA	TRANSISTOR
Q1311	2SC3311ATA	TRANSISTOR
Q1312	2SA1309ATA	TRANSISTOR
Q1313	2SC3311ATA	TRANSISTOR
Q2006	2SC1685-TA	TRANSISTOR
Q2007	2SC1685-TA	TRANSISTOR
Q2019	2SC1685-TA	TRANSISTOR
Q2020	UN4212TA	TRANSISTOR
Q2021	2SC1685-TA	TRANSISTOR
Q2022	UN4212TA	TRANSISTOR
Q2023	UN4212TA	TRANSISTOR
Q2031	2SC1685-TA	TRANSISTOR
Q2032	2SC1685-TA	TRANSISTOR
Q2033	2SC1685-TA	TRANSISTOR
Q2034	UN4112TA	TRANSISTOR
Q2035	UN4112TA	TRANSISTOR
Q2036	UN4212TA	TRANSISTOR
Q2038	UN4210TA	TRANSISTOR
Q2040	2SC1685-TA	TRANSISTOR
Q2042	UN4215TA	TRANSISTOR
Q2049	UN4213TA	TRANSISTOR
Q2050	2SA564-S	TRANSISTOR
Q2051	2SA564-S	TRANSISTOR
Q2052	2SC1685-TA	TRANSISTOR
Q2053	UN4212TA	TRANSISTOR
Q2202	2SD1469-M	TRANSISTOR
Q2203	2SD1469-M	TRANSISTOR
Q2206	2SC1685-TA	TRANSISTOR
Q2208	2SC1685-TA	TRANSISTOR
Q2209	2SA564-S	TRANSISTOR
Q2210	2SC1685-TA	TRANSISTOR
Q2211	2SA564-S	TRANSISTOR
Q2212	2SC1685-TA	TRANSISTOR
Q2225	2SC1685-TA	TRANSISTOR
Q2226	2SC1685-TA	TRANSISTOR
Q2227	2SC1685-TA	TRANSISTOR

Ref No.	Part No.	Description
Q2254	2SD1469-M	TRANSISTOR
Q2257	2SC1685-TA	TRANSISTOR
Q2305	UN4211TA	TRANSISTOR
Q2406	UN4212TA	TRANSISTOR
Q2407	UN4212TA	TRANSISTOR
Q2426	2SC3311ATA	TRANSISTOR
Q2501	2SC2636-T	TRANSISTOR
Q2502	2SC2636-T	TRANSISTOR
Q2503	2SC2636-T	TRANSISTOR
Q2504	BF370	TRANSISTOR
Q2505	2SC1685-TA	TRANSISTOR
Q2506	2SC1685-TA	TRANSISTOR
Q2507	2SC2636-T	TRANSISTOR
Q2604	2SA1309ATA	TRANSISTOR
Q2605	2SD639	TRANSISTOR
Q2608	UN4213TA	TRANSISTOR
Q2702	2SC1685-TA	TRANSISTOR
Q2712	UN4213TA	TRANSISTOR
Q3501	2SC1685-TA	TRANSISTOR
Q3502	2SC3311ATA	TRANSISTOR
Q3503	2SC1685-TA	TRANSISTOR
Q3504	2SC1685-TA	TRANSISTOR
Q3505	2SC1685-TA	TRANSISTOR
Q3506	2SC3311ATA	TRANSISTOR
Q3513	2SC3311ATA	TRANSISTOR
Q3514	2SA1309ATA	TRANSISTOR
Q3515	2SC3311ATA	TRANSISTOR
Q3516	2SA1309ATA	TRANSISTOR
Q3522	2SA1309ATA	TRANSISTOR
Q3523	UN4213TA	TRANSISTOR
Q3524	2SA1309ATA	TRANSISTOR

RESISTORS

Ref No.	Part No.	Description	
R13	ERD25TJ470	CARBON 0.25W 5%	47Ω
R70	ERG1ANJ273	METAL 1W ⚠ 5%	27KΩ
R71	ERD25TJ221	CARBON 0.25W 5%	220Ω
R130	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R131	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R133	ERD25TJ202	CARBON 0.25W 5%	2.0KΩ
R134	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R135	EVND1AA00B53	VARIABLE RESISTOR	5KΩ
R136	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R137	ERD25TJ824	CARBON 0.25W 5%	820KΩ
R138	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R141	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R144	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R145	ERD25TJ470	CARBON 0.25W 5%	47Ω
R146	ERD25TJ471	CARBON 0.25W 5%	470Ω
R147	ERD25TJ334	CARBON 0.25W 5%	330KΩ
R148	ERD25TJ334	CARBON 0.25W 5%	330KΩ
R150	ERD25TJ561	CARBON 0.25W 5%	560Ω
R151	ERD25TJ201	CARBON 0.25W 5%	200Ω
R153	ERD25TJ100	CARBON 0.25W 5%	10Ω
R157	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R160	ERD25TJ221	CARBON 0.25W 5%	220Ω
R171	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R177	ERD25TJ101	CARBON 0.25W 5%	100Ω
R178	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R179	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R180	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R181	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R182	ERD25TJ123	CARBON 0.25W 5%	12KΩ
R184	ERD25TJ221	CARBON 0.25W 5%	220Ω
R185	ERD25TJ221	CARBON 0.25W 5%	220Ω
R187	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R188	ERG1SJ101	METAL 1W ⚠ 5%	100Ω
R210	ERDS1TJ222	CARBON 0.5W 5%	2.2KΩ
R211	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R212	ERD25TJ123	CARBON 0.25W 5%	12KΩ
R213	ERD25TJ123	CARBON 0.25W 5%	12KΩ
R214	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R215	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R216	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R218	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R221	ERQ14AJ560	FILM 0.25W 5% ⚠	56Ω
R245	EVUF3AM20B14	VARIABLE RESISTOR	10KΩ
R278	ERG1ANJ221	METAL 1W ⚠ 5%	220Ω
R279	ERG1ANJ221	METAL 1W ⚠ 5%	220Ω
R280	ERX2SJ8R2	METAL 2W ⚠ 5%	8.2Ω
R298	ERX2SJ8R2	METAL 2W ⚠ 5%	8.2Ω
R301	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R309	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R315	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R316	ERD25TJ823	CARBON 0.25W 5%	82KΩ
R317	EVND4AA00B54	VARIABLE RESISTOR	50KΩ
R319	ERD25TJ563	CARBON 0.25W 5%	56KΩ
R321	EVND4AA00B14	VARIABLE RESISTOR	10KΩ
R322	ERD25TJ563	CARBON 0.25W 5%	56KΩ
R324	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R326	ERD25TJ101	CARBON 0.25W 5%	100Ω
R327	ERD25TJ121	CARBON 0.25W 5%	120Ω
R328	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R330	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R331	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R335	ERDS1TJ471	CARBON 0.5W 5%	470Ω
R336	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R337	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R338	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R342	ERD25TJ101	CARBON 0.25W 5%	100Ω
R343	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R344	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R345	ERO25CKF3001	METAL 0.25W 5% ⚠	3.00KΩ
R346	ERO25CKF3001	METAL 0.25W 5% ⚠	3.00KΩ
R349	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R351	ERG2ANJ103	METAL 2W ⚠ 5%	10KΩ
R352	ERG2ANJ103	METAL 2W ⚠ 5%	10KΩ
R353	ERG2ANJ103	METAL 2W ⚠ 5%	10KΩ
R354	ERD25TJ181	CARBON 0.25W 5%	180Ω
R355	ERD25TJ271	CARBON 0.25W 5%	270Ω
R356	ERD25TJ181	CARBON 0.25W 5%	180Ω
R357	EVN65UA00B22	VARIABLE RESISTOR	200Ω
R358	EVN65UA00B22	VARIABLE RESISTOR	200Ω
R359	ERD25TJ471	CARBON 0.25W 5%	470Ω
R360	ERD25TJ471	CARBON 0.25W 5%	470Ω
R361	ERD25TJ471	CARBON 0.25W 5%	470Ω
R362	EVN65UA00B53	VARIABLE RESISTOR	5KΩ
R363	EVN65UA00B53	VARIABLE RESISTOR	5KΩ
R364	EVN65UA00B53	VARIABLE RESISTOR	5KΩ
R365	ERDS1FJ152	CARBON 0.5W 5%	1.5KΩ
R366	ERDS1TJ152	CARBON 0.5W 5%	1.5KΩ
R367	ERDS1TJ152	CARBON 0.5W 5%	1.5KΩ
R374	ERD25TJ274	CARBON 0.25W 5%	270KΩ
R375	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R376	ERD25TJ684	CARBON 0.25W 5%	680KΩ
R390	ERDS1TJ124	CARBON 0.5W 5%	120KΩ
R391	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R392	ERD25TJ561	CARBON 0.25W 5%	560Ω
R393	ERD25TJ561	CARBON 0.25W 5%	560Ω
R394	ERD25TJ561	CARBON 0.25W 5%	560Ω
R402	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R403	ERD25TJ184	CARBON 0.25W 5%	180KΩ
R404	ERD25TJ274	CARBON 0.25W 5%	270KΩ
R405	EVND4AA00B25	VARIABLE RESISTOR	200KΩ
R406	ERD25TJ105	CARBON 0.25W 5%	1.0MΩ
R407	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R408	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R409	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R410	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R423	ERD25TJ684	CARBON 0.25W 5%	680KΩ
R452	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R453	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R454	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R458	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R459	ERD25TJ363	CARBON 0.25W 5%	36KΩ
R461	ERD25TJ1R0	CARBON 0.25W 5%	1.0Ω
R462	ERDS1TJ1R8	CARBON 0.5W 5%	1.8Ω
R463	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R464	ERD25TJ561	CARBON 0.25W 5%	560Ω
R465	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R467	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R469	ERD25TJ471	CARBON 0.25W 5%	470Ω
R470	ERG2SJU391	METAL 2W ⚠ 5%	390Ω
R474	ERDS1TJ471	CARBON 0.5W 5%	470Ω
R475	ERDS1TJ152	CARBON 0.5W 5%	1.5KΩ
R476	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R477	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R478	ERD25TJ1R5	CARBON 0.25W 5%	1.5Ω
R479	ERD25TJ1R0	CARBON 0.25W 5%	1.0Ω
R484	TSF19801	FUSABLE LINK ⚠	
R502	EVND4AA00B14	VARIABLE RESISTOR	10KΩ
R503	ERO25CKF3002	METAL 0.25W 5% ⚠	30.0KΩ
R505	ERD25TJ563	CARBON 0.25W 5%	56KΩ
R506	ERD25TJ682	CARBON 0.25W 5%	6.8KΩ
R507	EVND4AA00B54	VARIABLE RESISTOR	50KΩ
R508	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R511	ERD25TJ682	CARBON 0.25W 5%	6.8KΩ
R512	ERD25TJ820	CARBON 0.25W 5%	82Ω
R513	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R514	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R515	ERD25TJ471	CARBON 0.25W 5%	470Ω
R518	ERD25TJ391	CARBON 0.25W 5%	390Ω
R519	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R520	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R521	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R522	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R523	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R527	ERO25CKF8201	METAL 0.25W 5% ⚠	8.20KΩ
R528	ERO25CKF3901	METAL 0.25W 5% ⚠	3.90KΩ
R529	ERD25TJ101	CARBON 0.25W 5%	100Ω
R531	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ

Ref No.	Part No.	Description	
R532	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R533	ERG2ANJ391	METAL 2W ⚠ 5%	390Ω
R534	ERD25TJ333	CARBON 0.25W 5%	33KΩ
R535	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R536	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R537	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R538	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R542	ERD25TJ474	CARBON 0.25W 5%	470KΩ
R543	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R545	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R547	ERD25TJ474	CARBON 0.25W 5%	470KΩ
R551	ERF7ZJ100	WOUND 7W 10%	10Ω
R554	ERQ14AJ151	FILM 0.25W 5% ⚠	150Ω
R556	ERQ12HJ1R2	FILM 0.5W 5% ⚠	1.2Ω
R557	ERQ12HKR33	FILM 0.5W 5% ⚠	0.33Ω
R561	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R562	ERD25TJ134	CARBON 0.25W 5%	130KΩ
R565	ERQ1CJP102	FILM 1W 5% ⚠	1.0KΩ
R567	TSF19102	FUSABLE LINK ⚠	
R568	ERD25TJ274	CARBON 0.25W 5%	270KΩ
R570	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R571	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R572	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R604	ERD25TJ183	CARBON 0.25W 5%	18KΩ
R606	EVND4AA00B14	VARIABLE RESISTOR	10KΩ
R607	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R608	ERD25TJ271	CARBON 0.25W 5%	270Ω
R609	EVND4AA00B52	VARIABLE RESISTOR	500Ω
R610	ERD25TJ391	CARBON 0.25W 5%	390Ω
R611	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R612	ERD25TJ512	CARBON 0.25W 5%	5.1KΩ
R616	ERD25TJ101	CARBON 0.25W 5%	100Ω
R617	ERD25TJ101	CARBON 0.25W 5%	100Ω
R618	ERD25TJ101	CARBON 0.25W 5%	100Ω
R619	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R620	ERD25TJ101	CARBON 0.25W 5%	100Ω
R622	ERD25TJ471	CARBON 0.25W 5%	470Ω
R623	ERD25TJ681	CARBON 0.25W 5%	680Ω
R624	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R625	ERD25TJ333	CARBON 0.25W 5%	33KΩ
R626	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R633	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R634	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R643	ERD25TJ221	CARBON 0.25W 5%	220Ω
R651	ERD25TJ470	CARBON 0.25W 5%	47Ω
R652	ERD25TJ470	CARBON 0.25W 5%	47Ω
R653	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R654	ERD25TJ682	CARBON 0.25W 5%	6.8KΩ
R655	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R656	ERQ14AJ4R7	FILM 0.25W 5% ⚠	4.7Ω
R657	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R658	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R674	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R675	ERD25TJ101	CARBON 0.25W 5%	100Ω
R676	ERD25TJ274	CARBON 0.25W 5%	270KΩ
R677	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R678	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R679	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R680	ERD25TJ154	CARBON 0.25W 5%	150KΩ
R681	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R682	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R683	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R684	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R685	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R686	ERD25TJ101	CARBON 0.25W 5%	100Ω
R687	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R688	ERD25TJ821	CARBON 0.25W 5%	820Ω
R689	ERD25TJ331	CARBON 0.25W 5%	330Ω
R690	ERD25TJ821	CARBON 0.25W 5%	820Ω
R691	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R692	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R693	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R751	ERO25CKF1803	METAL 0.25W 5% ⚠	180KΩ
R752	ERO25CKF1502	METAL 0.25W 5% ⚠	15.0KΩ
R753	ERD25TJ303	CARBON 0.25W 5%	30KΩ
R754	ERD25TJ224	CARBON 0.25W 5%	220KΩ
R755	ERD25TJ154	CARBON 0.25W 5%	150KΩ
R756	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R757	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R758	EVND4AA00B24	VARIABLE RESISTOR	20KΩ
R759	EVND4AA00B53	VARIABLE RESISTOR	5KΩ
R760	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R761	ERD25TJ183	CARBON 0.25W 5%	18KΩ
R762	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R764	ERD25TJ274	CARBON 0.25W 5%	270KΩ
R766	ERD25TJ272	CARBON 0.25W 5%	2.7KΩ
R767	ERG1ANJ471	METAL 1W ⚠ 5%	470Ω
R768	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R769	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R770	ERQ12HJ220	FILM 0.5W 5% ⚠	22Ω
R771	ERD25TJ684	CARBON 0.25W 5%	680KΩ
R774	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R802	ERF7ZK4R7	WOUND 7W 10%	4.7Ω

Ref No.	Part No.	Description	
R803	ERDS1TJ564	CARBON 0.5W 5%	560KΩ
R810	ERQ1CJP3R3	FILM 1W 5% ⚠	3.3Ω
R811	ERW12PKR27	WOUND 0.5W 5% ⚠	0.27Ω
R812	ERG2ANJ470	METAL 2W ⚠ 5%	47Ω
R813	ERG1ANJ683	METAL 1W ⚠ 5%	68KΩ
R814	ERD75TAJ825	CARBON 0.75W 5%	8.2MΩ
R815	ERQ12HJ5R6	FILM 0.5W 5% ⚠	5.6Ω
R816	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R817	ERDS1TJ473	CARBON 0.5W 5%	47KΩ
R818	ERD25TJ124	CARBON 0.25W 5%	120KΩ
R820	ERDS1TJ393	CARBON 0.5W 5%	39KΩ
R821	ERDS1TJ393	CARBON 0.5W 5%	39KΩ
R822	ERDS1TJ473	CARBON 0.5W 5%	47KΩ
R851	ERQ12HJ1R2	FILM 0.5W 5% ⚠	1.2Ω
R852	ERQ2CKPR47	FILM 2.0W 5% ⚠	0.47Ω
R854	ERQ2CKPR33	FILM 2.0W 5% ⚠	0.33Ω
R855	ERG3SJU180	METAL 3W ⚠ 5%	18Ω
R1101	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R1102	ERD25TJ100	CARBON 0.25W 5%	10Ω
R1103	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1104	ERD25TJ101	CARBON 0.25W 5%	100Ω
R1105	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R1201	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1202	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1203	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1204	ERD25TJ101	CARBON 0.25W 5%	100Ω
R1205	ERD25TJ101	CARBON 0.25W 5%	100Ω
R1207	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1209	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R1210	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R1212	ERDS1TJ122	CARBON 0.5W 5%	1.2KΩ
R1214	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1215	ERG2ANJ680	METAL 2W ⚠ 5%	68Ω
R1219	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R1221	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1222	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1223	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1224	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1225	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1226	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1227	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1229	ERD25TJ471	CARBON 0.25W 5%	470Ω
R1233	ERD25TJ105	CARBON 0.25W 5%	1.0MΩ
R1234	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1236	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R1237	ERDS1TJ121	CARBON 0.5W 5%	120Ω
R1238	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R1239	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1240	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1241	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1251	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1252	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1253	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1254	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1255	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1256	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1257	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1258	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1259	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1261	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1262	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1263	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1264	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1265	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1266	ERD25TJ391	CARBON 0.25W 5%	390Ω
R1267	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R1273	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1276	ERD25TJ221	CARBON 0.25W 5%	220Ω
R1281	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1283	TSF19631	FUSABLE LINK ⚠	
R1285	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R1286	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R1287	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R1291	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R1295	ERD25TJ331	CARBON 0.25W 5%	330Ω
R1310	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R1311	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R1312	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1313	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R1314	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R1315	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1316	ERD25TJ101	CARBON 0.25W 5%	100Ω
R1317	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1318	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R1319	ERD25TJ272	CARBON 0.25W 5%	2.7KΩ
R1320	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R1322	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2001	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2003	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2004	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2005	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2006	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2008	ERD25TJ103	CARBON 0.25W 5%	10KΩ

Ref No.	Part No.	Description		
R2009	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2010	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2011	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2012	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2013	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2014	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2017	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2018	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2029	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2033	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2034	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2035	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2036	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2037	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2038	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2039	ERD25TJ104	CARBON 0.25W 5%		100KΩ
R2040	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2041	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2042	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2043	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2044	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2045	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2046	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2047	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2048	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2049	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2050	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2080	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2081	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2082	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2087	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2088	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2089	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2090	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2094	ERD25TJ123	CARBON 0.25W 5%		12KΩ
R2095	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2096	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2097	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2098	ERD25TJ562	CARBON 0.25W 5%		5.6KΩ
R2099	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2173	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2174	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2175	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2176	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2177	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2178	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2181	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2182	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2183	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2186	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2187	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2194	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2195	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2197	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2198	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2199	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2202	ERQ12HJ330	FILM 0.5W 5%	⚠	33Ω
R2218	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2219	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2220	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2221	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2222	ERD25TJ272	CARBON 0.25W 5%		2.7KΩ
R2223	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2224	ERD25TJ221	CARBON 0.25W 5%		220Ω
R2225	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2226	ERD25TJ221	CARBON 0.25W 5%		220Ω
R2227	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2228	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2230	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2231	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2251	ERD25TJ474	CARBON 0.25W 5%		470KΩ
R2252	ERD25TJ474	CARBON 0.25W 5%		470KΩ
R2254	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2255	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2256	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2257	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2258	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2259	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2260	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2261	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2262	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2263	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2264	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2265	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2266	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2267	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2268	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2269	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2270	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2271	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2272	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2273	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2274	ERD25TJ223	CARBON 0.25W 5%		22KΩ

Ref No.	Part No.	Description		
R2275	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2276	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2277	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2278	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2279	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2280	ERD25TJ562	CARBON 0.25W 5%		5.6KΩ
R2281	ERD25TJ683	CARBON 0.25W 5%		68KΩ
R2283	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2284	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2285	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2286	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2293	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2301	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2305	ERD25TJ183	CARBON 0.25W 5%		18KΩ
R2306	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2307	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2308	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2310	ERD25TJ123	CARBON 0.25W 5%		12KΩ
R2312	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2313	ERD25TJ153	CARBON 0.25W 5%		15KΩ
R2314	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2315	ERD25TJ123	CARBON 0.25W 5%		12KΩ
R2316	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2317	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2318	ERD25TJ103	CARBON 0.25W 5%		10KΩ
R2319	ERD25TJ153	CARBON 0.25W 5%		15KΩ
R2320	ERD25TJ104	CARBON 0.25W 5%		100KΩ
R2321	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2322	ERD25TJ682	CARBON 0.25W 5%		6.8KΩ
R2324	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2351	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2352	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2353	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2354	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2355	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2356	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2357	ERD25TJ104	CARBON 0.25W 5%		100KΩ
R2358	ERD25TJ104	CARBON 0.25W 5%		100KΩ
R2359	ERQ14AJ4R7	FILM 0.25W 5%	⚠	4.7Ω
R2360	ERQ14AJ4R7	FILM 0.25W 5%	⚠	4.7Ω
R2361	ERD25TJ274	CARBON 0.25W 5%		270KΩ
R2362	ERD25TJ913	CARBON 0.25W 5%		91KΩ
R2363	ERQ14AJ331	FILM 0.25W 5%	⚠	330Ω
R2364	ERD25TJ822	CARBON 0.25W 5%		8.2KΩ
R2365	ERD25TJ822	CARBON 0.25W 5%		8.2KΩ
R2366	ERF10ZK4R7	WOUND 10W 10%		4.7Ω
R2367	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2368	ERD25TJ272	CARBON 0.25W 5%		2.7KΩ
R2369	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2370	ERD25TJ272	CARBON 0.25W 5%		2.7KΩ
R2402	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2418	ERD25TJ823	CARBON 0.25W 5%		82KΩ
R2419	ERD25TJ823	CARBON 0.25W 5%		82KΩ
R2421	ERD25TJ222	CARBON 0.25W 5%		2.2KΩ
R2422	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2424	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2427	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2428	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2429	ERD25TJ222	CARBON 0.25W 5%		2.2KΩ
R2430	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2443	ERD25TJ750	CARBON 0.25W 5%		75Ω
R2444	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2445	ERD25TJ473	CARBON 0.25W 5%		47KΩ
R2447	ERD25TJ471	CARBON 0.25W 5%		470Ω
R2448	ERD25TJ471	CARBON 0.25W 5%		470Ω
R2486	ERD25TJ750	CARBON 0.25W 5%		75Ω
R2487	ERD25TJ471	CARBON 0.25W 5%		470Ω
R2489	ERD25TJ223	CARBON 0.25W 5%		22KΩ
R2491	ERD25TJ393	CARBON 0.25W 5%		39KΩ
R2492	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2496	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2499	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2501	ERD25TJ101	CARBON 0.25W 5%		100Ω
R2502	ERD25TJ472	CARBON 0.25W 5%		4.7KΩ
R2503	ERD25TJ122	CARBON 0.25W 5%		1.2KΩ
R2504	ERD25TJ471	CARBON 0.25W 5%		470Ω
R2505	ERD25TJ820	CARBON 0.25W 5%		82Ω
R2506	ERD25TJ680	CARBON 0.25W 5%		68Ω
R2507	ERD25TJ562	CARBON 0.25W 5%		5.6KΩ
R2508	ERD25TJ562	CARBON 0.25W 5%		5.6KΩ
R2509	ERD25TJ821	CARBON 0.25W 5%		820Ω
R2510	ERD25TJ392	CARBON 0.25W 5%		3.9KΩ
R2511	ERD25TJ332	CARBON 0.25W 5%		3.3KΩ
R2512	ERD25TJ562	CARBON 0.25W 5%		5.6KΩ
R2513	ERD25TJ682	CARBON 0.25W 5%		6.8KΩ
R2514	ERD25TJ394	CARBON 0.25W 5%		390KΩ
R2515	ERD25TJ332	CARBON 0.25W 5%		3.3KΩ
R2516	ERD25TJ102	CARBON 0.25W 5%		1.0KΩ
R2517	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2518	ERD25TJ331	CARBON 0.25W 5%		330Ω
R2519	ERD25TJ822	CARBON 0.25W 5%		8.2KΩ
R2520	ERD25TJ822	CARBON 0.25W 5%		8.2KΩ
R2521	ERD25TJ473	CARBON 0.25W 5%		47KΩ

Ref No.	Part No.	Description	
R2522	ERD25TJ331	CARBON 0.25W 5%	330Ω
R2523	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R2524	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2525	ERD25TJ470	CARBON 0.25W 5%	47Ω
R2526	ERD25TJ821	CARBON 0.25W 5%	820Ω
R2527	ERD25TJ273	CARBON 0.25W 5%	27KΩ
R2528	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2529	ERD25TJ821	CARBON 0.25W 5%	820Ω
R2530	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2531	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2532	ERQ14AJ330	FILM 0.25W 5% ⚠	33Ω
R2533	ERQ14AJ330	FILM 0.25W 5% ⚠	33Ω
R2534	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R2535	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2536	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2537	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2538	ERD25TJ150	CARBON 0.25W 5%	15Ω
R2539	ERD25TJ561	CARBON 0.25W 5%	560Ω
R2540	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2541	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2542	ERD25TJ221	CARBON 0.25W 5%	220Ω
R2543	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R2544	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2545	ERQ1CJP181	FILM 1W 5% ⚠	180Ω
R2546	ERD25TJ154	CARBON 0.25W 5%	150KΩ
R2547	ERD25TJ224	CARBON 0.25W 5%	220KΩ
R2548	ERD25TJ431	CARBON 0.25W 5%	430Ω
R2549	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2550	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R2551	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R2552	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2553	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2554	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R2555	ERD25TJ821	CARBON 0.25W 5%	820Ω
R2556	ERQ14AJ330	FILM 0.25W 5% ⚠	33Ω
R2557	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2558	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2562	ERQ12HJ470	FILM 0.5W 5% ⚠	47Ω
R2565	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R2566	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R2567	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R2570	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R2571	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R2572	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R2591	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2592	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2593	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2602	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R2603	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R2604	ERD25TJ221	CARBON 0.25W 5%	220Ω
R2605	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R2606	ERD25TJ221	CARBON 0.25W 5%	220Ω
R2608	ERD25TJ750	CARBON 0.25W 5%	75Ω
R2610	ERD25TJ750	CARBON 0.25W 5%	75Ω
R2612	ERD25TJ750	CARBON 0.25W 5%	75Ω
R2613	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2614	ERD25TJ750	CARBON 0.25W 5%	75Ω
R2616	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R2619	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R2620	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2621	ERD25TJ750	CARBON 0.25W 5%	75Ω
R2623	ERD25TJ681	CARBON 0.25W 5%	680Ω
R2625	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2629	ERD25TJ391	CARBON 0.25W 5%	390Ω
R2631	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2632	ERD25TJ680	CARBON 0.25W 5%	68Ω
R2633	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R2634	ERQ12HJ8R2	FILM 0.5W 5% ⚠	8.2Ω
R2635	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2640	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2660	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R2661	ERD25TJ101	CARBON 0.25W 5%	100Ω
R2662	ERD25TJ152	CARBON 0.25W 5%	1.5KΩ
R2663	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R2664	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R2665	ERD25TJ182	CARBON 0.25W 5%	1.8KΩ
R2666	ERD25TJ684	CARBON 0.25W 5%	680KΩ
R2667	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2704	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2705	ERD25TJ471	CARBON 0.25W 5%	470Ω
R2706	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R2707	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R2708	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R2709	ERD25TJ151	CARBON 0.25W 5%	150Ω
R2710	EVND4AA00B23	VARIABLE RESISTOR	2KΩ
R2711	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ
R2712	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R2713	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R2714	ERD25TJ104	CARBON 0.25W 5%	100KΩ
R2715	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R2716	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R2717	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R2720	ERD25TJ562	CARBON 0.25W 5%	5.6KΩ

Ref No.	Part No.	Description	
R2822	ERD25TJ681	CARBON 0.25W 5%	680Ω
R2823	ERD25TJ271	CARBON 0.25W 5%	270Ω
R2849	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2857	ERD25TJ681	CARBON 0.25W 5%	680Ω
R2858	ERD25TJ681	CARBON 0.25W 5%	680Ω
R2866	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2867	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2868	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2873	ERD25TJ222	CARBON 0.25W 5%	2.2KΩ
R2874	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R2875	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2876	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2877	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R2878	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2879	ERD25TJ391	CARBON 0.25W 5%	390Ω
R2880	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R2881	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2882	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R2883	ERD25TJ391	CARBON 0.25W 5%	390Ω
R2884	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R2885	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R2891	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R2892	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R2893	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R2898	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R2899	ERD25TJ393	CARBON 0.25W 5%	39KΩ
R3501	ERD25TJ221	CARBON 0.25W 5%	220Ω
R3502	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R3503	ERD25TJ471	CARBON 0.25W 5%	470Ω
R3504	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R3505	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R3506	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R3507	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R3508	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R3509	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R3510	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R3511	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R3512	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R3513	ERD25TJ223	CARBON 0.25W 5%	22KΩ
R3514	EVND1AA00B24	VARIABLE RESISTOR	20KΩ
R3515	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R3516	ERD25TJ153	CARBON 0.25W 5%	15KΩ
R3517	ERD25TJ220	CARBON 0.25W 5%	22Ω
R3519	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R3520	ERD25TJ821	CARBON 0.25W 5%	820Ω
R3522	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R3523	ERD25TJ471	CARBON 0.25W 5%	470Ω
R3524	ERD25TJ683	CARBON 0.25W 5%	68KΩ
R3525	ERD25TJ331	CARBON 0.25W 5%	330Ω
R3526	ERDS1TJ1R0	CARBON 0.5W 5%	1.0Ω
R3531	ERD25TJ101	CARBON 0.25W 5%	100Ω
R3532	ERD25TJ332	CARBON 0.25W 5%	3.3KΩ
R3533	ERD25TJ331	CARBON 0.25W 5%	330Ω
R3534	ERD25TJ750	CARBON 0.25W 5%	75Ω
R3535	ERD25TJ750	CARBON 0.25W 5%	75Ω
R3536	ERD25TJ750	CARBON 0.25W 5%	75Ω
R3541	ERD25TJ101	CARBON 0.25W 5%	100Ω
R3542	ERD25TJ101	CARBON 0.25W 5%	100Ω
R3549	ERD25TJ1R0	CARBON 0.25W 5%	1.0Ω
R3552	ERD25TJ101	CARBON 0.25W 5%	100Ω
R3553	ERD25TJ105	CARBON 0.25W 5%	1.0MΩ
R3557	ERD25TJ221	CARBON 0.25W 5%	220Ω
R3558	ERD25TJ471	CARBON 0.25W 5%	470Ω
R3559	ERD25TJ102	CARBON 0.25W 5%	1.0KΩ
R3560	ERD25TJ561	CARBON 0.25W 5%	560Ω
R3561	ERD25TJ392	CARBON 0.25W 5%	3.9KΩ
R3562	ERD25TJ122	CARBON 0.25W 5%	1.2KΩ
R3563	ERD25TJ753	CARBON 0.25W 5%	75KΩ
R3564	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R3565	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R3566	ERD25TJ823	CARBON 0.25W 5%	82KΩ
R3567	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R3568	ERD25TJ822	CARBON 0.25W 5%	8.2KΩ
R3582	ERD25TJ103	CARBON 0.25W 5%	10KΩ
R3584	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R3585	ERD25TJ473	CARBON 0.25W 5%	47KΩ
R3586	ERD25TJ472	CARBON 0.25W 5%	4.7KΩ
R3588	ERD25TJ224	CARBON 0.25W 5%	220KΩ
J4	ERD25TJ103	CARBON 0.25W 5%	10KΩ

SWITCHES

S251	ESD2760	SWITCH
S301	EVQR1AL13	SWITCH
S801	ESB99267S	SWITCH
S1207	EVQQSC13K	SWITCH
S1208	EVQQSC13K	SWITCH
S1209	EVQQSC11G	SWITCH
S1213	EVQQSC13K	SWITCH
S1215	EVQQSC11G	SWITCH

Ref No.	Part No.	Description
S1218	EVQQSC13K	SWITCH
S1220	EVQQSC13K	SWITCH
S1222	EVQQSC13K	SWITCH
S1223	EVQQSC11G	SWITCH
S1228	EVQQSC11G	SWITCH
S1230	ESB64605	SWITCH
S1231	EVQQSC13K	SWITCH
S1232	EVQQSC13K	SWITCH
S1233	EVQQSC13K	SWITCH
S1234	EVQQSC13K	SWITCH
S1235	EVQQSC13K	SWITCH
S1236	EVQQSC13K	SWITCH

TRANSFORMERS

T531		ETH19Y53AY	H.DRIVE TRANSFORMER
T551	⚠	TLF15542F	F.B.TRANSFORMER
T801	⚠	ETS49K422A	CHOPPER TRANSFORMER
T1201	⚠	ETP35KE65E	TRANSFORMER

FILTERS

T2501	TLS158X51Q	FILTER
X101	F1045A	FILTER
X131	EFCS6R0MW3	FILTER
X171	TSS120M2	CRYSTAL
X601	TSS2003-M	CRYSTAL
X671	EFCA4R43MB3	FILTER
X1201	TSS2077-M	
X2202	TAF10010	FILTER
X2501	EFCH39MQS1	FILTER
X2504	EFCS6R0MS4	FILTER
X2506	TSS2059-M	CRYSTAL
X2507	TSS2058-M	CRYSTAL

Ref No.	Part No.	Description
X2508	ELB5A079	COIL
X3501	TSS2004-M	CRYSTAL
X3503	TSS2077-M	
X3504	TFOA6R0M02A2	CRYSTAL

DIFFERENCE LIST FOR TX-24W1

MISCELLANEOUS COMPONENTS

1)	⚠	A59EAK22X01	C.R.T.
5)		TBM120954-1	REAR COVER LABEL
15)	⚠	TKG170760	FRONT GLASS
17)		TKK188511	SIDE COVER CLIPS
18)		TKP1757621	SPEAKER NET
21)	⚠	TKU582301	REAR COVER
22)		TKU582400	RIGHT SIDE COVER
23)		TKU582500	LEFT SIDE COVER
24)	⚠	TKY183100	CABINET
	⚠	TNP107553AJ	V PCB
	⚠	TNP197052AG	E PCB
		TPC8E4166	CARTON
		TPD8E521	CUSHION(TOP)
		TPD8E522	CUSHION(BOTTOM)

CAPACITORS

C671	ECKC1H121J	CERAMIC	50V	120pF
C863	NOT USED ON TX-24W1			

RESISTORS

R675	ERD25TJ221	CARBON 0.25W 5%	220Ω

NOTES

NOTES